FIFTEEN ROPE FERRY ROAD
WATERFORD, CT 06385-2886

PHONE: 860-442-0553
www.waterfordct.org

BOARD OF FINANCE
AGENDA

Waterford Town Hall
Budget Hearing

Monday, March 21, 2022
Town Hall, 7:00 p.m.

1. Call to Order
2. Public Comment
3. 10111 – Building Maintenance
4. 10130 – Public Works
5. 10138 – Capital Improvements
6. 10139 – Debt Service
7. 10140 – Transfers to Capital and Non-Recurring Expenditure Fund
8. Adjournment

Glenn Patterson, Chairman

TOWN OF WATERFORD
GENERAL FUND
2022-2023 PROPOSED BUDGET

DEPT/AGENCY: 10111 BUILDING MAINTENANCE

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	2021/2022 ADDITIONAL/ TRANSFERS	ACTUAL EXPEND & ENCUMB AS OF 1/1/22	2022/2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN (2/8/22)	BOS Approved $ Increase	BOS Approved % Increase	2022/2023 BOARD OF FINANCE REDUCTIONS	2022/2023 RECOMMENDED BD OF FINANCE	BOF Approved $ Increase	BOF Approved % Increase
PERSONNEL COSTS													
51140	FACILITIES COORDINATOR	52,927	76,500		36,346	76,500	76,500	0	0.00%			(76,500)	-100.00%
51810	OVERTIME	0	0		0								
51910	FRINGE BENEFITS	0	75		63	75	75	0	0.00%			(75)	-100.00%
51920	F.I.C.A	4,014	5,858		2,719	5,858	5,858	0	0.00%			(5,858)	-100.00%
	SUBTOTAL	56,941	82,433	0	39,128	82,433	82,433	0	0.00%	0	0	(82,433)	-100.00%
SERVICES													
52010	ADVERTISING	24	1,020		387	0	0	(1,020)	-100.00%			(1,020)	-100.00%
52040	SERVICE CONT. & REPAIRS	57,821	171,360	(1,500)	111,231	195,178	185,178	13,818	8.06%			(171,360)	-100.00%
52090	FUEL OIL/NATURAL GAS	5,848	129,061		30,250	130,000	130,000	939	0.73%			(129,061)	-100.00%
52100	ELECTRICITY	64,968	343,343		166,342	398,278	398,278	54,935	16.00%			(343,343)	-100.00%
52110	WATER	1,706	12,186		8,893	15,725	15,725	3,539	29.04%			(12,186)	-100.00%
52120	SEWER	3,369	21,175		5,920	21,775	21,775	600	2.83%			(21,175)	-100.00%
	SUBTOTAL	133,736	678,145	(1,500)	323,023	760,956	750,956	72,811	10.74%	0	0	(678,145)	-100.00%
MATERIALS & SUPPLIES													
53020	OTHER SUPPLIES	8,432	8,000		7,617	4,000	4,000	(4,000)	-50.00%			(8,000)	-100.00%
	SUBTOTAL	8,432	8,000	0	7,617	4,000	4,000	(4,000)	-50.00%	0	0	(8,000)	-100.00%
IMPROVEMENTS													
55030	BUILDING IMPROVEMENTS	27,012	9,692	1,500	10,560	5,000	5,000	(4,692)	-48.41%			(9,692)	-100.00%
	SUBTOTAL	27,012	9,692	1,500	10,560	5,000	5,000	(4,692)	-48.41%	0	0	(9,692)	-100.00%
DEPARTMENT TOTAL		226,121	778,270	0	380,328	852,389	842,389	64,119	8.24%	0	0	(778,270)	-100.00%

INTER-OFFICE MEMORANDUM TOWN OF WATERFORD

To: Kim Allen, Finance Director

From: Gary J. Schneider, Director of Public Works

Date: January 20, 2022

Re: Building Maintenance FY23 Budget Memo

It has been requested that the Department review the Building Maintenance Budget and attempt to lower the budget request to reach a zero dollar increase over the adopted FY 22 budget. This would require an $181,202 decrease in the request submitted to the Finance Director.
The Department will be submitting a revised budget with the following reductions:

52010 Advertising (-$1,050): Recommend only using the Town website for advertising

52030 Professional Fees (-$37,000): Assign the cost of environmental testing of the Municipal Complex to the Bond Issue. There is the requirement to perform this testing for several years, the exact end date is not known. It depends on the test results in the outlaying years.

52040 Service Contracts and Repairs: (-$44,666 total of the following): From the detailed list submitted on page 4, the following changes are:

- Elevators: (-$9,970): Leaving $750 for the State Permitting of 3 elevators. The Department's request for funds to rehab the elevators (if approved by the RTM) should eliminate the calls for repairs during FY 23.
- Fire Extinguisher Repairs ($-1,000): Inspections will be assigned to staff, leaving funds just for the static testing and recharge of units.
- Maintenance/Repairs ($-15,696) Although this is a projection, the Department is still working through years of maintenance neglect.
- Custodial Services: ($-10,000). The original number requested was from the current bid pricing. Will negotiate a reduction is services
- HVAC Preventative Maintenance ($-11,000). Assumed reduction.
- Bottled Water (-$2,000) Public water is provided to each building. Departments through their budgets can pay for the bottled water.
- Overhead Door: (-$5,000). Assumed reduction.

52100 Electricity: ($0) This line item should not be reduced. The requested number is based on what the bills are showing us for FY 22 and just multiplied by the 16% rate increase negotiated by Purchasing. (To negate the $54,935 increase, that equates to the power consumed by the Police Department or the Community Center for one year).

52110 Water (-$3,000) Assumed reduction.

53020 Other Supplies (-$4,000) Assumed reduction

55030 Building Improvements (-$5,000): Assumed reduction

All of these result in a reduction of $104,716. Without the 16% increase in electricity, this budget would approach $0

BUDGET FUNCTION

Building Maintenance
FISCAL YEAR 2023 BUDGET

Town of Waterford

Opening Statement

With emphasis on public and employee safety, excellent customer service and efficiency, this Department provides maintenance, repairs, after-hour emergency support, building automation, utility management and custodial services to our buildings and structures allowing employees, residents and the general public access to clean and safe public buildings. It assists Town Departments, managing their facility matters and assisting in capital budget development, all of which ensures that the facilities are available for their programs.

Working with a customer first attitude, staff work every day not to simply manage the routine functions of the department, but to make it one of the best in the region.

BUDGET FUNCTION

Building Maintenance is more than repair what doesn't work. It is management of utilities, space utilization, renovations and replacements. It requires the understanding of how the mechanical components interaction with each other. It is really Facility Management.

The goal of Facility Management is to provide a building that is inviting, providing a sense of welcome and arrival at the entrance. It must have a community orientation. Customers must feel comfortable using the services at the facility. The space also needs to be flexible so staff can focus on their current and future missions and not be concerned about the limitations of the bricks and mortar that they work out of.

The vision for this Department is to be proactive, not reactive. This will take several years due to the backlog of maintenance and repairs, lack of dedicated staff to the facilities effort and lack of capturing data.

Components of a well-managed facilities program encompasses:

- Preventative Maintenance Schedules
- Repair Protocols
- Space Needs Programming
- Energy Audits
- Facility Inspections
- Alarm Testing
- Inventory Control (Asset Tracking)
- Custodial Methods
- Life Safety Systems
- Security Systems
- ADA (Barrier Free Buildings)
- Environmental Permit Compliance
- Indoor Air Quality
- Building Code Compliance
- Capital Projects (New and Renovations)

Building Maintenance
Fiscal Year 2023
Town of Waterford

The following facilities are assigned to this Department:

- Town Hall
- Library
- Emergency Operations Center
- Community Center
- Youth & Family Services
- Police
- Municipal Complex (including all buildings on the property)
- Jordan Park House
- Nevins Cottage
- Eugene O'Neill Theater (assistance as needed)
- Southwest & Cohanzie Schools (abandoned properties)

The budget presented is primarily an operations (fixed costs) budget. The Department is obliged to pay utility bills (water, sewer, electricity, heating (oil and natural gas), comply with environmental permits, perform life safety inspections (sprinklers and fire alarms), manage intrusion alarms and contract for custodial services for 250,000 square feet of municipal space. Funding for new construction, major replacements of equipment or renovations to the existing space are found in the Capital Improvement Program.

Unlike last year's budget where costs were extracted from numerous department budget requests, the budget for FY 23 was built on solid but limited data. Using the first quarter of FY 22's budget, we projected to the end of the current fiscal year the expenditure requests. Using this as the base, we applied known or projected rate increases which produced the FY 23 budget request.

The Department is unable to provide a 5 year look back for this budget. Facilities expenses may have been combined with other expenses in each department's budget requests in the past. Any attempt to separate out these costs would be labor intensive and questionable to its accuracy. We will build that data base ensuring proper accounting in each area.

Staffing: Under the direction of the Public Works Director, a Facilities Maintenance Coordinator manages the Facilities. This is the only person assigned to this Department. Comparison in this area from the current year to the proposed must take into account that the current employee was hired well into the fiscal year, the position was open for several months after the previous employee left this position to go back to being an Assistant Building Official. The salary is determined by the Bargaining Union contract.

Facilities uses the time from the Public Works Office Coordinator for support staff.

Facilities is responsible for the utilities (Water, sewer, heating oil, natural gas and electricity) consumed at the buildings listed as well as the 5 Fire Stations.

Electricity: The Finance Department has entered into a 5 year fixed price for the purchase of electricity. Our current rate was $.0781/kwh. The new rate is $.0919/kwh, a 16% increase. This is for generation only. Transmission rate (Eversource) will be set in early of 2022, so any impact to the budget is unknown. Facilities is responsible for 40 accounts to include those of the Fire Stations and Police radio sites (5).

Water: We have 22 accounts that we manage. We have not budgeted any rate increases. Veolia will review rates in early 2022.

Sewer: We have 14 accounts that we manage. We have not budgeted rate increases.

Heating Oil/Natural Gas: Currently we have 10 buildings that receive heating oil. We have 5 locations with Natural Gas.

Solid Waste/Recyclables: The Public Works Department provides the containers and collection services and disposal costs. These costs are included in the Public Works Budget.

Service Contracts: This has been a major focus for the last fiscal year. Consolidation of these contracts allows us to ensure the preventative maintenance tasks are performed at all the facilities that they adhere to the Town's purchasing requirements and we can monitor the performance of the vendor.

Life Safety Inspections: For those buildings with sprinklers and/or fire alarms, quarterly inspections are required to keep the Town in compliance with the Fire Code. From these inspections, items are identified to be tested or components repaired.

5100 SERIES

10111-51140 – Municipal Facilities Manager		$76,500
10111-51910 – Fringe Benefits		$ 75
10111-51920 – FICA		$ 5,858
	Total	$82,433

FY23 Request **$82,433**

TOWN OF WATERFORD
PERSONNEL WORKSHEET - BUILDING MAINTENANCE
2022-2023 FISCAL YEAR

DATE OF HIRE	POSITION	HOURS WORKED/ WEEK	HOURLY RATE	SALARY 2021/2022	SALARY 2022/2023	LONGEVITY	TOTAL EMPLOYEE SALARY	LINE 51920 PAYROLL TAXES (F.IC.A)
3/15/2021	Facilities Manager	35	36.78	52,927	76,500	0	76,500	5,852
							0	0
							0	0
51810 - OVERTIME							0.00	0.00
51910 - FRINGE BENEFITS							75.00	6
TOTALS - DEPARTMENT							76,575.00	5,858.00

WORKDAYS 2022/2023	WEEKS TO BUDGET
261	52.2

POSITION	CLOTHING ALLOWANCE	HRA FUNDING	LINE 51910 TOTAL FRINGE BENEFITS	LINE 51920 PAYROLL TAXES (F.IC.A)
Facilities Manager	75.00		75.00	5.74
			0.00	0.00
TOTAL - FRINGE BENEFITS	75.00	0.00	75.00	5.74

SEE NOTE

NOTE
This amount should be added to the amount of FICA calculated on your salary worksheet

5200 SERIES

10111-52040 – Service Contracts and Repairs

The primary method to minimize repairs are annual service contracts. Contracts include services for HVAC maintenance, pest control, boiler and fire system inspections and generator maintenance.

Custodial services provided to Town Hall, Public Works/Utilities, Youth & Family Services and the Public Safety Building are included in the Building Maintenance Budget. The Library, Community Center and the Police Station have provided these services in their budgets. Custodial services are the bulk of the costs associated with this line ($72,000). The cost of custodial services is offset by a funding agreement between the Town and Board of Education. The funding for the custodial services at Town Hall, is by a transfer from the BOE and is not included in the budget request. These funds are provided from the BOE in an annual transfer.

The Facilities Manager's responsibilities include being on-call to address building emergencies that occur outside of regular business hours. The position also requires significant time in the field. A mobile phone is a critical tool to maintain efficiency when working at locations throughout Town.

The following are charges included in this line item:

• Pest Control	$ 10,000
• Maintenance/Repair	$ 93,000
• Fire Extinguisher Inspections	$ 1,000
• Fire Alarm Testing	$ 5,500
• Sprinkler Maintenance	$ 1,928
• Elevators	$ 750
• Generator	$ 1,000
• Custodial Services	$ 72,000
Total	$ 185,178

FY23 Request **$185,178**

10111-52090 Heating Oil / Natural Gas

This line item is for fuel to heat the town's facilities. The fuel is either natural gas or heating oil. The Municipal Complex has transitioned from heating oil to natural gas, but there hasn't been a full year to gauge the usage for this building. Facilities that currently use natural gas are the Municipal Complex, Town Hall and the Community Center. Planned for the future is to add gas to the Police Station, Public Safety and Library.

FY23 Request **$130,000**

FY22 / GAS	Natural Gas	ACCOUNT #	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
15	Rope Ferry Road	57952938033	$ 137.79	$ 135.15	$ 137.89	$ 159.04	$ 270.77
1000	Hartford Turnpike	57741019087	$ 953.30	$ 914.85	$ 1,020.49	$ 1,239.32	
1000	Hartford Turnpike	57737500033	$ 169.72	$ 169.99	$ 209.69	$ 269.91	
24	Rope Ferry Road	57901760033	$ 416.29	$ 416.29	$ 529.52	$ 859.10	
24	Rope Ferry Road	57010700052	$ 151.65	$ 150.78	$ 153.40	$ 168.28	
			$ 1,828.75	$ 1,787.06	$ 2,050.99	$ 2,695.65	$ 270.77

OIL/gallons	Heating Oil	ACCOUNT #	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
	Dispatch Center			2531.9	2436.6		
	Jordan Fire						135.4
	Quaker Hill Fire -1					300	150.1
	Quaker Hill Fire - 2					2	2.2
	Quaker Hill Fire - 3					121.9	
	Goshen Fire					240	65.2
	Oswegatchie Fire					1125	330
	Library						250
	Jordan Park House						165.6

10111-52100 Electricity

The Town purchases electricity through the Connecticut Conference of Municipalities (CCM) Purchasing Program. This program is designed to assist Towns in selecting the best available rates and contract terms for purchasing electricity. The kilowatt hour rate includes the CCM program participation fee. Electricity charges also include a generation fee from Constellation. The proposed budget for electricity in FY23 is based on the average paid so far in FY22 by this Department.

FY23 Request **$398,278**

FY 22	ELECTRIC	ACCOUNT #	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
41	Avery Lane	51735403099	$ 5,649.37	$ 5,375.47	$ 5,347.76	$ 4,920.55	$ 4,701.52
	Avery Lane	51438652091	$ 1.61	$ -	$ 2.17		
204	Boston Post Road	51345652085	$ 1,431.89	$ 1,365.03	$ 1,356.25	$ 1,414.71	
	Boston Post Road	51788882082	$ 43.40	$ 21.60			
	Boston Post Road	51302752019	$ 45.30	$ -	$ 51.28		
200R	Boston Post Road	51108652033	$ 174.96	$ 158.61	$ 88.91	$ 81.52	
200	Boston Post Road	51364952028	$ 248.78	$ 377.80	$ 273.84		
200	Boston Post Road	51947952073	$ 45.40	$ 45.31	$ 46.87	$ 47.85	
441	Boston Post Road	51588882084	$ 1,087.19	$ 1,215.50	$ 1,118.28	$ 1,074.21	
204	Boston Post Road	51493062004	$ 1,232.46	$ 1,111.36	$ 971.53	$ 767.38	
204	Boston Post Road	51345652085					$ 1,306.58
200	Boston Post Road	51292603099		$	$ 966.96	$ 915.73	
51	Daniels Ave	51067819029	$ 27.01	$ 13.49			
51	Daniels Ave	51602094070	$ 281.14	$ 258.37	$ 250.27	$ 228.77	
51	Daniels Ave	51748029063	$ 844.73	$ 269.02	$ 461.92	$ 409.73	
53	Dayton Road	51841915044	$ 345.56	$ 361.29	$ 363.38	$ 292.61	$ 255.57
53	Dayton Road	51095836011	$ 988.27	$ 953.36	$ 1,017.08	$ 902.50	$ 705.59
51	Dayton Road	51739034072	$ 49.33	$ 48.94	$ 45.38	$ 45.52	
36	Fargo Road	51748074077	$ 367.16	$ 376.77	$ 367.68	$ 328.69	$ 332.51
63	Goshen Road	51302136023	$ 639.90	$ 682.08	$ 739.31	$ 590.83	
305	Great Neck Road	51970062006	$ 66.02	$ 69.31			
1000	Hartford Turnpike	51992298059	$ 4,349.80	$ 4,748.51	$ 4,885.84	$ 3,930.81	$ 3,510.39
1000	Hartford Turnpike	51268828076	$ 51.39	$ 51.76	$ 53.23	$ 51.41	$ 95.97
1000	Hartford Turnpike	51550057004	$ 49.33	$ 49.70	$ 50.15	$ 50.20	$ 50.94
377.5	Mago Point Way	51376503041	$ 60.38		$ -	$ 60.04	
85	Miner Lane	51942115072	$ 255.44	$ 232.69	$ 237.23	$ 229.60	$ 218.69
85	Miner Lane	51833528011	$ 44.09	$ 44.00	$ 44.00	$ 44.00	
	Niantic River Road	51477003016	$ 16.73	$ 16.71			
	Oil Mill Road	51069782019	$ 32.94	$ 32.90	$ 32.65	$ 33.17	
17	Old Colchester Road	51387852056	$ 861.50	$ 686.06	$ 951.86	$ 650.03	$ 611.88
15	Rope Ferry Road	51719852014	$ 4,543.89	$ 4,445.52	$ 4,746.76	$ 3,677.39	
49	Rope Ferry Road	51607852027	$ 3,206.83	$ 3,260.59	$ 3,355.29	$ 2,736.43	

89	Rope Ferry Road	51074936006	$ 1,046.89	$ 997.48	$ 1,133.81	$ 869.60	
72	Rope Ferry Road	51635752058	$ 14.28	$ 14.28	$ 14.17	$ 14.38	
69	Rope Ferry Road	51100952076	$ 49.10	$ 50.77	$ 45.10		
24	Rope Ferry Road	51472034065	$ 5,484.70	$ 6,611.28	$ 4,710.86	$ 2,765.92	
55	Rope Ferry Road	51226676096	$ 10.23	$ 10.01	$ 9.83		
35	South Bartlett	51701144032	$ 356.93	$ 309.82	$ 311.28	$ 245.42	$ 231.23
26	Sunshine Road	51072652076	$ 85.39	$ 75.95	$ 140.25	$ 70.44	$ 72.10
739	Vauxhall St Ext	51355552019	$ 49.24	$ 48.10	$ 47.90	$ 49.34	
			$ 34,138.56	**$ 34,389.44**	**$ 34,238.08**	**$ 27,498.78**	**$ 11,789.64**

10111-52110 Water

They bill the accounts quarterly. **FY23 Request** **$15,725**

FY22 Water	Address	ACCOUNT #	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBE
15	Rope Ferry Road	9625-021282		$ 355.11			$ 388.
55 B	Rope Ferry Road	9625-021304		$ 17.21			$ 48.
24	Rope Ferry Road	9625-027354		$ 327.45			$ 347.
49	Rope Ferry Road	019993-021298		$ 229.94			$ 227.
41	Avery Lane	0665-008898		$ 244.47			$ 244.
63	Goshen Road	08663-014028		$ 69.47			$ 93.
24	Rope Ferry Road	5773-027352		$ 1,217.30			
200	Boston Post Road	2639-010272		$ 85.94			
204	Boston Post Road	002647-010280		$ 329.86			$ 330.
89	Rope Ferry Road	020013-021316		$ 203.03			$ 207.
55	Rope Ferry Road	00645-021302		$ 14.80			
0	Rope Ferry Road	000645-028397		$ 18.24			
0	Avery Lane	000645-008878		$ 14.80			
176	Boston Post Road	000645-010256		$ 74.11			
15R	Rope Ferry Road	000645-021284		$ 75.11			
41R	Avery Lane	00671-008900		$ 134.69			
53	Dayton Road	005921-012396			$ 126.92		
0	Hartford Road	009553-014696			$ 398.72		
1000	Hartford Road	009625-014768			$ 195.30		
441	Boston Post Road	002771-010404			$ 346.45		
17	Old Colchester	016509-018856				$ 68.44	
0	Sunshine Road	022619-023258				$ 132.91	
			$ -	**$ 3,411.53**	**$ 1,067.39**	**$ 201.35**	**$ 1,888.**

10111-52120 Sewer

50% of the sewer user fee is based on water consumption and 50% is a fixed cost related to the meter size. The requested amount is based on historic water consumption.

FY23 Request **$21,775**

FY22 Sewer	Address	ACCOUNT #	JULY	AUGUST	SEPTEMBER	OCTOBER
204	Boston Post Road	06-000074				$ 522.05
1	Palmer Road	06-0003915				$ 131.00
89	Rope Ferry Road	06-0000336				$ 170.50
441	Boston Post Road	06-0004507				$ 546.20
24	Sunshine road	06-0004486				$ 90.00
17	Old Colchester Road	06-0004437				$ 128.50
53	Dayton Road	06-0000600				$ 343.25
1000	Hartford Turnpike	06-0004724				$ 1,258.00
49	Rope Ferry Road	06-0000727				$ 229.00
24	Rope Ferry Road	06-0000757				$ 518.55
51	Daniels Ave	06-0003191				$ 283.75
15	Rope Ferry Road	06-0001574				$ 558.80
41	Avery Lane	06 0004385				$ 593.80
57	Rope Ferry Road	06-0001292				$ 45.00
			$ -	$ -	$ -	$ 5,418.40

5300 SERIES

10111-53020 – Other Supplies

This line item is used for projects and supplies. Funds are used to pay for supplies related to building maintenance. Supplies regularly needed include electrical, plumbing, paint and lumber. Funds are also used to purchase items including flags, batteries, first-aid kits for offices, keys, and custodial supplies.

FY23 Request **$4,000**

5500 SERIES

10111-55030 – Building Improvements

This line is used to pay for repairs to Town buildings for items that are not covered in preventive maintenance contracts. These funds cover materials for work completed with BOE labor and both materials and work performed by outside contractors hired to complete specialty work. These projects are managed by Building Maintenance.

FY23 Request **$5,000**

TOWN OF WATERFORD
GENERAL FUND
2022-2023 PROPOSED BUDGET

DEPT/AGENCY: 10111 BUILDING MAINTENANCE

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	2022/2023 DEPT/ AGENCY REQUEST	Department Request $ Increase	Department Request % Increase
PERSONNEL COSTS						
51140	FACILITIES COORDINATOR	52,927	76,500	76,500	0	0.00%
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51910	FRINGE BENEFITS	0	75	75	0	0.00%
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	SUBTOTAL	**56,941**	**82,433**	**82,433**	**0**	**0.00%**
SERVICES						
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52090	FUEL OIL/NATURAL GAS	5,848	129,061	130,000	939	0.73%
52100	ELECTRICITY	64,968	343,343	398,278	54,935	16.00%
52110	WATER	1,706	12,186	15,725	3,539	29.04%
52120	SEWER	3,369	21,175	21,775	600	2.83%
	SUBTOTAL	**133,736**	**678,145**	**760,956**	**82,811**	**12.21%**
MATERIALS & SUPPLIES						
53020	OTHER SUPPLIES	8,432	8,000	4,000	(4,000)	-50.00%
	SUBTOTAL	**8,432**	**8,000**	**4,000**	**(4,000)**	**-50.00%**
IMPROVEMENTS						
55030	BUILDING IMPROVEMENTS	27,012	9,692	5,000	(4,692)	-48.41%
	SUBTOTAL	**27,012**	**9,692**	**5,000**	**(4,692)**	**-48.41%**
DEPARTMENT TOTAL		**226,121**	**778,270**	**852,389**	**74,119**	**9.52%**

PROPOSED REVENUE BY DEPARTMENT
GENERAL FUND
2022-2023 FISCAL YEAR

All revenues from each department must be listed in the following categories. Please add any revenue lines that are not listed below.

DEPARTMENT: Building Maintenance

LINE ITEM	2019-2020 ACTUAL	2020-2021 ACTUAL	2021-2022 YTD	2022-2023 PROPOSED	VARIANCE
Waterford Board of Education					0
Shared Use of Town Hall	71,671	71,671	63,836.61	$67,794.69	3,958.08
					0
					0
					0
					0
					0
TOTALS	**71,671**	**71,671**	**63,837**	**67,795**	**3,958**

TOWN OF WATERFORD
GENERAL FUND
2022-2023 PROPOSED BUDGET

DEPT/AGENCY: 10130 PUBLIC WORKS

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	2021/2022 ADDITIONAL/ TRANSFERS	ACTUAL EXPEND & ENCUMB AS OF 1/1/22	2022/2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN (2/8/22)	BOS Approved $ Increase	BOS Approved % Increase	2022/2023 BOARD OF FINANCE REDUCTIONS	2022/2023 RECOMMENDED BD OF FINANCE	BOF Approved $ Increase	BOF Approved % Increase
PERSONNEL COSTS													
51110	ADMINISTRATION	323,954	320,501		168,543	338,287	338,287	17,786	5.55%			(320,501)	-100.00%
51130	ENGINEERING	669	5,558		0	5,558	5,558	0	0.00%			(5,558)	-100.00%
51210	CLERICAL/TECHNICAL	140,465	149,076		76,141	150,880	150,880	1,804	1.21%			(149,076)	-100.00%
51510	EQUIPMENT MAINTENANCE	268,826	358,379		175,192	363,810	363,810	5,431	1.52%			(358,379)	-100.00%
51520	HIGHWAY MAINTENANCE	812,243	1,038,247	(37,000)	413,708	871,476	871,476	(166,771)	-16.06%			(1,038,247)	-100.00%
51530	REFUSE COLLECTION & MAINT.	434,885	309,828	37,000	248,185	453,567	453,567	143,739	46.39%			(309,828)	-100.00%
51540	SNOW REMOVAL	76,057	70,000		8,802	56,000	56,000	(14,000)	-20.00%			(70,000)	-100.00%
51810	OVERTIME	61,473	52,000		47,913	52,000	52,000	0	0.00%			(52,000)	-100.00%
51910	FRINGE BENEFITS	10,580	12,355		7,555	12,525	12,525	170	1.38%			(12,355)	-100.00%
51920	FICA	151,923	177,171		81,307	176,263	176,263	(908)	-0.51%			(177,171)	-100.00%
	SUBTOTAL	2,281,075	2,493,115	0	1,227,346	2,480,366	2,480,366	(12,749)	-0.51%	0	0	(2,493,115)	-100.00%
SERVICES													
52010	ADVERTISING	6,100	0			0	0	0				0	#DIV/0!
52020	POSTAGE	314	440		139	400	400	(40)	-9.09%			(440)	-100.00%
52030	PROFESSIONAL FEES	92,388	90,000		49,602	113,000	113,000	23,000	25.56%			(90,000)	-100.00%
52040	SERVICE CONT & REPAIRS	60,556	60,000		15,263	65,000	65,000	5,000	8.33%			(60,000)	-100.00%
52050	DUES, CONF. & EDUCATION	2,983	1,657		2,978	2,000	2,000	343	20.70%			(1,657)	-100.00%
52060	PRINTING	50	100			100	100	0	0.00%			(100)	-100.00%
52070	REIMBURSABLE EXPENSE	40	50			50	50	0	0.00%			(50)	-100.00%
52090	FUEL OIL	19,348	0			0	0	0				0	#DIV/0!
52100	ELECTRICITY	44,398	0			0	0	0				0	#DIV/0!
52110	WATER & SEWER	7,866	0			0	0	0				0	#DIV/0!
52400	MEAL ALLOWANCE	2,371	2,223		343	2,300	2,300	77	3.46%			(2,223)	-100.00%
52410	STREET TREE MAINTENANCE	557	330			5,550	5,550	5,220	1581.82%			(330)	-100.00%
52450	SITE WORK	28	1,210		572	800	800	(410)	-33.88%			(1,210)	-100.00%
52460	STREET LIGHTING	82,478	110,000		37,030	95,500	95,500	(14,500)	-13.18%			(110,000)	-100.00%
52470	SOLID WASTE DISPOSAL	876,159	870,000		410,771	875,000	875,000	5,000	0.57%			(870,000)	-100.00%
52475	RECYCLING PROGRAM		250			150	150	(100)	-40.00%			(250)	-100.00%
52500	OPTIONS & RIGHTS OF WAY		1,000			0	0	(1,000)	-100.00%			(1,000)	-100.00%
52510	RENTAL OF EQUIPMENT	24,765	24,000		23,023	5,000	5,000	(19,000)	-79.17%			(24,000)	-100.00%
52531	LANDFILL CAP MAINTENANCE	19,450	23,800		4,650	21,000	21,000	(2,800)	-11.76%			(23,800)	-100.00%
	SUBTOTAL	1,239,851	1,185,060	0	544,371	1,185,850	1,185,850	790	0.07%	0	0	(1,185,060)	-100.00%

TOWN OF WATERFORD
GENERAL FUND
2022-2023 PROPOSED BUDGET

DEPT/AGENCY: 10130 PUBLIC WORKS

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	2021/2022 ADDITIONAL/ TRANSFERS	ACTUAL EXPEND & ENCUMB AS OF 1/1/22	2022/2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN (2/8/22)	BOS Approved $ Increase	BOS Approved % Increase	2022/2023 BOARD OF FINANCE REDUCTIONS	2022/2023 RECOMMENDED BD OF FINANCE	BOF Approved $ Increase	BOF Approved % Increase
MATERIALS & SUPPLIES													
53010	OFFICE SUPPLIES	503	325		112	325	325	0	0.00%			(325)	-100.00%
53030	OPERATIONAL SUPPLIES	18,965	17,000		10,605	18,000	18,000	1,000	5.88%			(17,000)	-100.00%
53050	ENGINEER EQUIP & SUPPLIES	4	300		206	300	300	0	0.00%			(300)	-100.00%
53070	AUTOMOTIVE REPAIRS	194,378	150,000		94,885	201,000	201,000	51,000	34.00%			(150,000)	-100.00%
53090	FUELS & LUBRICANTS	116,293	180,000		63,093	200,000	200,000	20,000	11.11%			(180,000)	-100.00%
53100	TIRES	30,253	35,000		13,721	35,000	35,000	0	0.00%			(35,000)	-100.00%
53250	TRAFFIC CONTROL MATERIALS	23,307	30,000		513	25,000	25,000	(5,000)	-16.67%			(30,000)	-100.00%
53300	HIGHWAY MATERIALS	140,648	225,000		24,368	176,500	176,500	(48,500)	-21.56%			(225,000)	-100.00%
	SUBTOTAL	524,351	637,625	0	207,503	656,125	656,125	18,500	2.90%	0	0	(637,625)	-100.00%
EQUIPMENT													
54050	AUTOMOTIVE EQUIPMENT	17,386	71,656		18,566	69,145	69,145	(2,511)	-3.50%			(71,656)	-100.00%
54060	OFFICE FURNITURE	190	1,500		929	800	800	(700)	-46.67%			(1,500)	-100.00%
	SUBTOTAL	17,576	73,156	0	19,495	69,945	69,945	(3,211)	-4.39%	0	0	(73,156)	-100.00%
IMPROVEMENTS													
55010	TOWN AID ROADS-IMPROVED	304,884	320,698		20,914	317,277	317,277	(3,421)	-1.07%			(320,698)	-100.00%
	SUBTOTAL	304,884	320,698	0	20,914	317,277	317,277	(3,421)	-1.07%	0	0	(320,698)	-100.00%
DEPARTMENT TOTAL		4,367,737	4,709,654	0	2,019,629	4,709,563	4,709,563	(91)	0.00%	0	0	(4,709,654)	-100.00%

PUBLIC WORKS
FISCAL YEAR 2023 BUDGET

Town of Waterford

Opening Statement

Building new is easy, to maintain is difficult, but not impossible

The focus for Public Works is to maintain our roads, our Fleet and Mobile Equipment, manage the collection and disposal of solid waste and equally important focusing on

- Achieving a high level of customer service
- Excellent information management
- Compliance with enviromental operating permits
- Ability to respond to emergency management incidents

The four Divisions of Public Works are:

Administration
Briefly, the division manages and accounts for our assets, manages personnel, prepares the Captial Improvement Plan, plans for emergency management and diaster mitigation and incorporates sustainable practices into public works practices.

Highway Operations (…it is not just the asphalt…)
It is important for the residents to have well-maintained roads to ensure that traffic flows as smoothly and safely as possible. In order to accomplish this, the Department mixes in-house with contracted work to provide a cost effective delivery of services.

Solid Waste
The collection and transportation of waste and recyclables to disposal sites and the operaton of the Transfer Station and the closed landfill all fall under this division.

Equipment Maintenance
This division's skilled mechanics perform services and reparis from the simple $125 weed wacker to the $390,000 automated collection truck.

Budget Function

The budget is what is required to maintain the infrastructure. It is an operations budget with little flexibility. The Department is obliged to pay bills for water, waste disposal, environmental permitting and repairs. The roads must get plowed, diseased trees removed and our drainage systems kept clear.

New this year:

- You will see this year a change in the Public Works budget format in the personnel area. The number of personnel has not increased, it is just how we account for where our personnel are tasked to work. Previous budgets lumped all personnel wages, FCIA, etc. under 51520 Highway operations. It did not separate out the personnel needed for the collection routes (5 Drivers) or for the operation of the transfer station (3 Maintainers). This year, Refuse Collection and Maintenance 51530 will not only identity all the effort for collection, it will include the effort for the curbside collection of bulky waste and leaves by assigning a personnel cost to this effort.
- The services that the Southeastern Connecticut Regional Resources Recovery Authority (SCRRRA or the Authority) provides to its members will remain the same for FY 23. The one service fee charged by the Authority, the tipping fee for municipal solid waste (garbage) will increase by $1.25/ton from $58 to $59.25/ton, the first increase since 2004. The fee to handle the recyclables will continue to be absorbed by the Authority. All other services are provided at no cost to the Town.
- This year the accepted road network increased by 1,600 linear feet. The Town last accepted roads into our network in 2011. Sea View Terrace and Kathryn Court will be added to our snow removal, waste collection and sweeping routes. Impact to the maintenance effort will be minimal as these are new roads.
- We clean out catch basins by using the services of a contractor who supplies the employees and equipment. We have moved this effort to 52030 Professional Fees to better reflect the process. Previously it was under 52510 Rental of Equipment.

New Equipment:

- $9,272 for a vehicle air conditioning service unit that supports the newest refrigerant (R-1234YF) that is found in all 2019 to present vehicles in the Town's fleet.
- $820 for a new set of 60" forks for H1. Currently that machine has a pair of 48" forks, but limits the machine's ability to adequately load and unload vehicles.
- $12,041 for the department to purchase a zero turn mower. This would allow the department to maintain the grounds here at the complex and to assist in roadside mowing of certain areas in town.
- $12,000 for Production Equipment Co., to extend the maintenance shop's overhead bridge crane. Per the building print, the bridge crane is listed as a 40' X 40' overhead bridge crane, only allowing 28' X 32' of usage. This impacts our ability to fully utilize the entire space for bay 1 $ 2. Many of our tasks require use of the crane in which creates tying up bay 1 & 2 for extended periods of time creating backups. Extending the bridge crane would increase our working abilities to 38' X 32'.

Replacements:

- Cart replacements run in cycles and we are in the middle of one. The older carts after years of being grabbed and squeezed are failing. We run the carts to failure instead of a planned replacement. Typically, the Department had budgeted for 300 recycling and garbage carts to be purchased each year. That would cover some being sold to new residents or residents who need additional carts and the remainder to replace carts that were damaged by the "grabber". The grabber must tightly hold the cart has it is lifted and turned upside down. Years of the squeeze and sunlight causes the walls of the cart to become bridle and crack. These carts are replaced at no charge. We are experiencing an uptick in cart replacements due to the age. The carts were first placed into the system 25 years ago. These initial carts are beyond the end of their service life. Currently we have over 8,430 recycling and 11,570 garbage carts in the system. While we make repairs to lids and wheels, when the body breaks, we must replace the entire cart.

Stressors on the Budget:

- Facilities Department has placed an additional burden on the resources in the Public Works Department. Back office operations such as work orders, invoices, contracts and projects were transferred to Public Works without additional office support.
- Prices for products and services are not stable. Projecting costs that cover the next 12 months is difficult.
- Environmental permitting with its 14 permits in 5 major areas require reporting and inspections. We will not be compliant with the General Permit for Stormwater (MS4) by July 1, 2022. It is estimated that to finish the work would be in the neighborhood of $110,000. The budget request will only support ½ of that amount. It is unknown how the DEEP will react to Town not meeting the deadline, but it is anticipated that Towns that have made a good faith effort will not be actively pursued.
- Capital Improvement Program with its backlog of approved funded projects and the need of staff to project manage the contracts.
- The last two years we have grossly under budgeted the vehicle repair line. Years of vehicle replacement deferments on key public works equipment is driving the repair costs up. The pieces of equipment that this affects most are the large pieces used in waste collection, trucks used for snow removal and street sweeping. The increase in cost of repair parts also has affected this line item.
- Issues that can't be resolved with simple actions are becoming the norm. The easy issues has been completed. Civil engineering services are often needed to solve these concerns generated by the citizens.
- Over the next several years, the tree work will far exceed our current resources. Contracting out this service when there is a high demand from the private sector is not an option during this time period.
- Street lighting – Now that we are out of the warranty period, repairs now must be budgeted. This includes the cost of Eversource to disconnect/connect the fixture to their power lines.

Utilities: (Street Lights, Traffic Signals)
The Finance Department has entered into a 5 year fixed price for the purchase of electricity. Our current rate was $.0781/kwh. The new rate is $.0919/kwh, a 16% increase. This is for generation only. Transmission rate (Eversource) will be set in early 2022, so any impact to the budget is unknown.

Waste:

Solid Waste/Recyclables: The Public Works Department provides the containers and collection services. The tipping fees increased 2.1%.

FY2023 BUDGET

PERSONNEL COSTS

The personnel costs are based on actual costs, from current contracts, see attached Personnel Worksheet, pages 6-8

51110	**Administration**	**$ 338,287**
51130	**Engineering**	**$ 5,558**
51210	**Clerical/Technical**	**$ 150,880**
51510	**Equipment Maintenance**	**$ 363,810**
51520	**Highway Maintenance**	**$ 871,476**
51530	**Refuse Collection & Maintenance**	**$ 453,622**
51540	**Snow Removal (Overtime)**	**$ 56,000**
51810	**Overtime Based on 3-yr average**	**$ 52,000**
51910	**Fringe Benefits**	**$ 12,525**
51920	**FICA** This is calculated on the attached Personnel Worksheet	**$ 176,263**

DEPARTMENT PERSONNEL TOTAL = $ 2,480,366

TOWN OF WATERFORD
PERSONNEL WORKSHEET - PUBLIC WORKS DEPARTMENT
2022/2023

LINE 51920

DATE OF HIRE	POSITION	HOURS WORKED/ WEEK	HOURLY RATE	SALARY 2021/2022	SALARY 2022/2023	LONGEVITY	TOTAL EMPLOYEE SALARY	PAYROLL TAXES (F.IC.A)
51110 - ADMINISTRATION								
11/4/2019	Director	40	N/A	$117,097	$119,732		$119,732	$9,159
4/22/2013	Assistant Director	40	N/A	$108,587	$111,030	$1,110	$112,140	$8,579
8/1/1983	General Foreman	40	N/A	$101,783	$104,073	$2,342	$106,415	$8,141
Sub Totals							**$338,287**	**$25,879**
51130 - ENGINEERING								
	WUC STAFF AS NEEDED	130	42.75/avg	$5,558	$5,558		$5,558	$425
Sub Totals							**$5,558**	**$425**
51210 - CLERICAL								
8/27/2001	Office Coordinator	35	34.2234	$62,787	$62,287	$500	$62,787	$4,803
11/16/1998	Clerk Typist III	35	26.8149	$49,303	$48,803	$500	$49,303	$3,772
3/9/2020	Clerk Typist III	35	21.0102 / 22.0607	$36,986	$38,790		$38,790	$2,967
Sub Totals							**$150,880**	**$11,542**
51510 EQUIPMENT MAINT								
9/12/2011	Lead Mechanic	40	39.6485 / 41.6310	$82,190	$84,055	$250	$84,305	$6,449
8/10/1993	Mechanic	40	37.7605	$79,142	$78,542	$600	$79,142	$6,054
10/24/2011	Mechanic	40	37.7605	$78,792	$78,542	$250	$78,792	$6,028
1/30/2012	Mechanic	40	32.6190 / 34.2499	$67,290	$68,696	$250	$68,946	$5,274
3/15/2021	Assistant Mechanic	40	24.3407/25.5578	$50,629	$52,625		$52,625	$4,026
Sub Totals							**$363,810**	**$27,831**
51520 HIGHWAY								
7/1/1998	Highway Maintainer IV	40	34.2499	$72,263	$71,240	$500	$71,740	$5,488
3/20/2006	Highway Maintainer IV	40	34.2499	$72,113	$71,240	$350	$71,590	$5,477
3/20/2006	Highway Maintainer IV	40	34.2499	$72,113	$71,240	$350	$71,590	$5,477
2/1/2016	Highway Maintainer III	40	25.5578	$65,217	$53,160		$53,160	$4,067
12/14/1998	Highway Maintainer III	40	31.0656	$65,117	$64,617	$500	$65,117	$4,981
11/13/2006	Highway Maintainer III	40	31.0656	$64,967	$64,617	$350	$64,967	$4,970
11/13/2006	Highway Maintainer III	40	31.0656	$64,967	$64,617	$350	$64,967	$4,970
6/11/2007	Highway Maintainer III	40	31.0656	$64,967	$64,617	$350	$64,967	$4,970

2/3/2014	Highway Maintainer III	40	29.5864 / 31.0656	$61,145	$62,723		$62,723	$4,798
4/23/2012	Highway Maintainer III	40	29.5864 / 31-0656	$60,381	$61,658	$250	$61,908	$4,736
8/17/2020	Highway Maintainer II	40	23.1817	$46,717	$48,218		$48,218	$3,689
6/17/2019	Highway Maintainer II	40	24.3407	$48,311	$50,629		$50,629	$3,873
9/8/2020	Highway Maintainer II	40	23.1817	$46,584	$48,217		$48,217	$3,689
vacancy	Highway Maintainer II	40	22.0777	$48,218	$45,922		$45,922	$3,513
vacancy	Highway Maintainer II	40	22.0777	$46,584	$45,922		$45,922	$3,513
4/6/1998	Toolkeeper	40	31.0656	$65,117	$64,617	$500	$65,117	$4,981
9/29/1989	Traffic Control Device Tech	40	32.619	$68,447	$67,847	$600	$68,447	$5,236
	Seasonal Staff (2)	800	16.44		$13,152		$13,152	$1,006
Sub Totals							**$1,025,201**	**$78,428**
	15% will be moved to Sanitation line to ver time off						$871,476	
51530 SANITATION								
10/1/1990	Refuse Truck Driver	40	31.0656	$65,217	$64,617	$600	$65,217	$4,989
10/21/2019	Refuse Truck Driver	40	24.3407 / 25.5578	$65,217	$50,872		$50,872	$3,892
9/23/2002	Refuse Truck Driver	40	31.0656	$64,967	$64,617	$350	$64,967	$4,970
2/24/2014	Recycling Route Operator	40	28.1774	$56,600	$57,697		$57,697	$4,414
8/11/2014	Recycling Route Operator	40	28.1774 / 29.5864	$56,956	$61,089		$61,089	$4,673
Sub Totals							**$299,842**	**$22,938**
	15% will be added to the Sanitation line to cover time off						$453,622	
51540 - SNOW OVERTIME							$56,000	$4,284
51810 - OVERTIME							$52,000	$3,978
51910 - FRINGE BENEFITS							$12,525	$958
51920 - FICA								$176,263.00
TOTALS - DEPARTMENT - Including FICA							$2,480,366.00	

TOWN OF WATERFORD
FRINGE BENEFIT WORKSHEET / PUBLIC WORKS
2022-2023 FISCAL YEAR

POSITION	CLOTHING / SHOE ALLOWANCE	HRA FUNDING	LINE 51910 TOTAL FRINGE BENEFITS	LINE 51920 PAYROLL TAXES (F.IC.A)
Director	75		75.00	5.74
Assistant Director	75		75.00	5.74
General Foreman	75		75.00	5.74
Senior Mechanic	700.00		700.00	53.55
Mechanic	700.00		700.00	53.55
Mechanic	700.00		700.00	53.55
Mechanic	700.00		700.00	53.55
Assistant Mechanic	700.00		700.00	53.55
Highway Maintainer IV	400.00		400.00	30.60
Highway Maintainer IV	400.00		400.00	30.60
Highway Maintainer IV	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer III	400.00		400.00	30.60
Highway Maintainer II	400.00		400.00	30.60
Highway Maintainer II	400.00		400.00	30.60
Highway Maintainer II	400.00		400.00	30.60
Highway Maintainer II	400.00		400.00	30.60
Highway Maintainer II	400.00		400.00	30.60
Toolkeeper	400.00		400.00	30.60
Traffic Control Device Tech	400.00		400.00	30.60
Refuse Truck Driver	400.00		400.00	30.60
Refuse Truck Driver	400.00		400.00	30.60
Refuse Truck Driver	400.00		400.00	30.60
Recycling Route Operator	400.00		400.00	30.60
Recycling Route Operator	400.00		400.00	30.60
TOTAL - FRINGE BENEFITS	**12,525.00**	**0.00**	**12,525.00**	**958.17**

NOTE
This amount should be added to the amount of FICA calculated on your salary worksheet

52020 Postage:

The postage requirements of Public Works have typically been for daily correspondence, mailing of equipment bid packages and bid correspondence and confirmation of Bulky Waste appointments. We also mail notices of projects to all residents adjacent to a construction site. This allows for greater awareness of project schedules and potential impacts to residents.

FY17	$381
FY18	$552
FY19	$378
FY20	$389
FY21	$314

5 year average $402

FY 23 Request $400

52030 Professional Fees:

This appropriation as requested is to provide professional support to the Public Works function. In all projects, certain specific technical review is required to be provided from this appropriation as follows:

We are requesting a **$1,000** appropriation for appraisals of easements. These have not been called for often in recent years, but this request is to budget for the possible expense that may be incurred. Also, as we continue to investigate and locate our stormwater system, older locations may require the Town to secure a drainage easement. **$ 1,000**

Employment Physicals & Random Drug/Alcohol testing- New employees and seasonal employees are provided a physical prior to starting work with the Town. Random drug and alcohol testing is performed on a quarterly basis for employees that hold a Commercial Drivers License (CDL). (Federal Requirement) **$ 5,800**

Engineering/Architectural Fees and general on-call services - The Town has in place several on-call consultants that departments use for multiple services. **$ 40,000**

Catch Basin Cleaning: For several years, we have been supplementing our catch basin cleaning with a contractor supplied crew and rental vacuum truck. This has proven to be an invaluable and effective method in meeting the MS4 permit requirements. There are approximately 3200 catch basins, of which, 3,000 are under this mandate. The plan is to contract the cleaning of approximately 1,000 catch basins each year. Violation of the General permit may result in penalties of up to $25,000 per violation, per day. In FY22 the cost per basin increased to $23.00/each. **$23,000**

MS4 Permit Compliance – Since 2004, the Town has been in compliance with general permit for Municipal Separate Storm Sewer Systems (MS4). We have cleaned out basins, swept streets, and have completed yearly storm water quality testing of discharge points. As part of the 2004 permit, we had inspected and mapped the majority of the stormwater system, which consists of miles of pipe, catch basins, and hydrodynamic separators, conducted employee training on best management practices for maintenance operations and held quarterly stormwater committee meetings to review compliance to the permit. The Town now falls under the new general permit (effective July 2017) with expanded requirements.

The MS4 General permit mandates the Town to develop, implement and enforce best management practices (BMP's) for the six Minimum Control Measures. BMP's are defined for each Minimum Control Measure. For the six minimum control measures, the Town has identified 38 BMP's. One of the largest impacts is that the permit requires the Town to implement a screening and monitoring program for all outfalls that discharge to impaired waters as defined in the most recent Connecticut Integrated Water Quality Report. The Town must also meet certain criteria for discharges to impaired waters, or waters which nitrogen, phosphorus, bacteria or mercury are Stormwater Pollutants of Concern, or waters which have pollution load reductions specified within the Total Maximum Daily Load(TMDL is the water quality implementation plan established pursuant to Section 303 of the Clean Water Act). There are now requirements for any new discharges to both impaired and high quality waters.

The Town will continue with the services of a consultant, Barton & Loguidice, to assist the Town in remaining compliant with the MS4 General Permit. Although Town staff will perform tasks whenever possible, many of the activities are technical or time sensitive.

Activities associated with mandated requirements in general are:

- Water Quality Sampling
- Review of Waterford's Stormwater Management Plan for compliance with the new General Permit
- Ongoing inspections of catch basins and stormwater facilities
- Complete mapping of 15" diameter piping or less of the storm drainage system

MS4 IMPLEMENTATION COSTS
TOWN OF WATERFORD, CONNECTICUT
PREPARED BY
BARTON & LOGUIDICE, LLC
November 24, 2021

SECTION	TASK	Yr 6 FY 2022-23
All	MS4 Program Progress Tracking	$2,500
All	Meetings	$8,000
All	Stormwater Management Plan Review	$1,800
All	Stormwater Website Review	$1,500
All	DPW Implementation Assistance	$4,000
6(a)(3)	Written IDDE Program **[COMPLETE]**	$0
6(a)(3)(B)(i)	Legal Authority to Eliminate Illicit Discharges **[COMPLETE]**	$0
6(a)(3)(C)	List and Maps of All MS4 Outfalls in Priority Areas (incl. interconnections)	$2,000
6(a)(3)(D)	Address IDDE in Areas with Pollutants of Concern	$2,000
6(a)(4)(A)(i)	Update Land Use Regs/Legal Authority **[SUBSTANTIALLY COMPLETE]**	$400
6(a)(5)(A)(i)	New Development or Redevelopment Legal Authority **[SUBSTANTIALLY COMPLETE]**	$400
6(a)(5)(B)	Runoff Reduction/Low Impact Development ("LID") Measures **[SUBSTANTIALLY COMPLETE**	$400
6(a)(5)(C)	Calculate DCIA Contributing to Each MS4 Outfall (sub-basin) **[SUBSTANTIALLY COMPLETE]**	$500
6(a)(5)(D)	Long-Term Maintenance Plan for Town-Owned Stormwater Structures	$2,500
6(a)(6)(A)	Annual MS4 Training	$1,400
6(a)(6)(B)(i)(a)	Infrastructure Repair and Rehab Program	$3,000
6(a)(6)(B)(ii)(a)	DCIA Disconnection Tracking	$1,000
6(a)(6)(B)(ii)(b)	Develop Plan to Retrofit/Disconnect DCIA	$5,000
6(a)(6)(B)(ii)(c)	DCIA Retrofit Projects	$5,000
6(a)(6)(C)	MS4 Property & Operations Maintenance Program (incl. annual field audits)	$3,000
6(a)(6)(D)(ii)(a)	Inspection of Catch Basins Outside Priority Areas **[DPW TO COMPLETE]**	$0
6(a)(6)(F)	Coordination with MS4 Interconnections	$1,000
6(a)(6)(G)	Establish Program to Control Other Sources of Pollutants	$1,500
6(a)(6)(H)	Evaluate Additional Measures for Dischargers to Impaired Waters	$3,500
6(i)(1)	Impaired Waters Wet Weather Outfall Sampling & Reporting	$2,500
6(i)(1)(D)(iii)	Prioritized Outfall Monitoring (6 outfalls annually)	$2,300
6(i)(1)(E)(i)	Inventory and Mapping of Discharges to Impaired Waters	$1,500
6(j)(2)	Annual Report	$2,750
App B - (A)(4)(b)	SSO Inventory (list and mapping)	$1,000
App B - (A)(6)	Complete Detailed MS4 Infrastructure Mapping (Catchment Delineations)	$20,000
App B - (A)(7)(c)	Illicit Discharge Assessments and Priority Rankings	$1,500
App B - (A)(7)(d)	Dry Weather Outfall Screening in High and Low Priority Areas	$3,500
App B - (A)(8)(b)	Catchment Investigations	$20,000
App B - (A)(9)	Record Keeping System for IDDE Tracking	$2,750
	Total	**$108,200**

Environmental Compliance:
In addition to the MS4 permit, the Department is responsible for numerous environmental permits and regulatory obligations.

General Permits for the Discharge of Stormwater Associated with the Industrial Activity Permits (2), one at the Municipal Complex and another at the closed Miner Lane Landfill. In order for the Town to be in compliance with the regulations put forth by the DEEP, the following is required:

Miner Lane Landfill		
Water Quality Monitoring – Fall	$ 3,100	
Water Quality Monitoring – Spring	$ 4,400	
Post Closure Annual Report	$ 1,800	
Two Semi-Annual Samples	$ 1,350	
Two Quarterly Visual Assessments	$ 500	
Two Semi-Annual CSCE's	$ 1,700	
	$12,850	
Municipal Complex		
Four Quarterly Visual Assessments	$1,000	
Two Semi-Annual CSCE's	$1,700	
	$2,700	
Total		$15,550

Transfer Station General Permit
Update plan for permit to operate — $1,500

On-Call Requested Services Budget — $2,000

Summary of Professional Fees:

Appraisals	$ 1,000
Employment Physicals & Random Drug Testing	5,800
Engineering/Architectural Fees	40,000
Catch Basin Cleaning	23,000
DEEP MS4 Compliance	108,200
Environmental Compliance	15,550
Transfer Station General Permit	1,500
On-Call Services	2,000
	$ 197,050

FY17	$60,454
FY18	$33,231
FY19	$98,657
FY20	$99,858
FY21	$89,784

5 year average $76,397

FY 23 Request $ 113,000

52040 Service Contracts and Building Repairs:

Service contracts are maintained for specific services which are specialized, infrequent and cannot be performed by staff. These contracts or services are listed below.

Traffic Signal Service – The Town has the responsibility of maintenance for the signals at the intersections of Cross Road with Parkway North and South, as well as recently added the light at the Millstone Nuclear Power Station. Periodically the signals malfunction and a service call has to be made to the repair company by the Police Department Dispatch Center. **$10,000**

The Town of Waterford invested in new streetlights over the past 2 fiscal years. Those lights will need maintenance for upkeep and repairs. **$10,000**

Office and Maintenance Equipment (leased and maintenance agreements) Public Works leases our photo copier, through a contract set up by the Purchasing Agent. It is a three year lease that was new in FY20. The cost is approximately $163.00 a month, plus a charge for extra copies. The time clock also has yearly charges. The Vehicle Maintenance tank leases are for bottled industrial gases. **$3,025**

Annual Services – There are 3 oil/water separators that need to be cleaned out annually. The scale also must be inspected yearly to meet requirements set forth by the State. **$12,000**

Life Safety / Safety – Each truck has a fire extinguisher and inspections, maintenance and repairs is needed yearly. Mandated inspection of the mobile and stationary lift equipment. **$3,000**

Monthly Service – The department pays for phones for 5 staff members. This charge includes the charges for 3 I-Pads that the departments uses in the field. This also covers the cost of the cable connection at the municipal complex. **$5,000**

On-Call Service Fixed Equipment - Based on previous discussions, the Board of Education will continue to perform emergency work, The "Building Maintenance Budget" is now under the Public Works Department. Each Department will keep a portion of Building Service costs within their budget. This is not for equipment permanently affixed to the building. (i.e. hot water heater in the wash bay) **$15,000**

Our requests for Service Contracts & Repairs are as follows:

	Cost/year
Traffic Signals	$ 10,000
Street Light Repairs	$ 10,000
Leased Office and Maintenance Equipment	$ 3,025
Annual Services	$ 12,000
Life Safety / Safety	$ 3,000
Monthly Service	$ 5,000
On-Call Service Fixed Equipment	$ 15,000
Building Repairs	$ 7,500
	$ 65,525

The five year average for this line item is as follows:

FY17	$56,611
FY18	$57,595
FY19	$64,464
FY20	$64,103
FY21	$59,993

5 year average $60,553

FY 23 Request $ 65,000

52050 Association Dues & Conferences:
Dues and Professional Fees:

NICET Cert. Ass't. Director		$ 185
Training/Certs.for Ass't. Director (ACI, NETTCP)		1,800
American Public Works Assoc.(APWA)		205
CT.Assoc.Street & Hwy.Officials	(CASHO)	50
Tree Warden Assoc.		60
		$ 2,300

Conferences / Training Seminars:

APWA/CASHO/Tree Wardens Conferences &
Staff Attendance to conferences, Equipment Shows & Safety training

This item includes professional licenses, training, conferences and association membership fees. All workshops and training selected for office and operational personnel are related to job functions and are intended to introduce new concepts in equipment, procedures and policies that Public Works operations can provide more effectively. Workshops for the staff are provided through the Connecticut Transportation Institute Technology Transfer Center (T2), American Public Works Association (APWA) and CIRMA. Also, we receive training through the Human Resources Department, as they have purchased training modules to share with the crews. Some of the training that our Department has completed is on a separate sheet.

FY17	$1,333
FY18	$2,583
FY19	$1,952
FY20	$ 435
FY21	$2,983

5 yr. average $1,857

FY 23 Request $ 2,000

52060 Printing

The Town printing staff has been able to accommodate most of the Public Works printing requirements, at a reduced rate. The cost for the printing of the recycling calendars is .07 cents per color copy. Also, occasionally we have to go to an outside vendor for printing.

FY17	$131			
FY18	$78			
FY19	$57			
FY20	$94			
FY21	$50			
5 yr. average		$82		
			FY 23 Request	**$ 100**

52070 Reimbursable Town Expenses:

Includes unexpected out-of-pocket expenses and is estimated at $50.

FY 23 Request **$ 50**

52400 Meal Allowances:

Meals are provided for all Local #1303 members required to work for emergencies such as snow removal. Expenditures are dependent upon the severity of the winter and the number of emergency responses.

FY17	$2,481			
FY18	$3,595			
FY19	$1,730			
FY20	$1,343			
FY21	$2,352			
5 Year average		$2,300	**FY 23 Request**	**$2,300**

52410 Street Tree Maintenance:

The Town of Waterford has approximately 8,200 street trees along its 120 miles of roadways. At times there is a need to hire a Contractor to perform some of the trimming or tree removals. This is mostly due to excessive tree size, trees too close to structures or electrical lines. Eversource has assisted in the past with many removals, particularly around the power lines. This request is made for an appropriation for pest control and outside tree services, when required.

. The average of the last three years is:

FY17	$1,182			
FY18	$ 412			
FY19	$ 396			
FY20	$ 180			
FY21	$ 558			
5 year average		$546	**FY23 Request**	**$5,500**

52450 Site Work:

This appropriation is requested for site improvements at the Municipal Complex such as miscellaneous landscaping or site related improvements.

FY17	$ 28
FY18	$1,600
FY19	$1,500
FY20	$ 530
FY21	$ 113

5 year average $754 **FY 23 Request $800**

52460 Street Lighting:

This line item provides for all non-metered street lighting and Town owned traffic signals in Waterford. The Town purchased the streetlights from Eversource and converted them to LED fixtures. The result was a substantial annual savings for the Town.

Additionally, the town is responsible for the power to traffic signals at intersection with Town and State roads. There are twenty-nine traffic signals. In most cases, the Town pays only the electrical usage and the State of Connecticut performs maintenance on them. Any signals at State road intersections are paid by the State and any private entrances to State or Town roads such as Stop & Shop and the Regal Cinema are paid by the abutting property owner.

FY17	$ 294,737
FY18	$ 287,346
FY19	$ 234,576
FY20	$ 101,391
FY21	$ 83,329

5 year average $ 200,275* **FY 23 Request $ 95,500**
*includes years prior to LED lights
Expecting 16% Increase in electricity for streetlights & traffic signals

52470 Solid Waste Disposal:

This Line Item is divided into two primary categories, services supported through a Municial Services Agreement with the Southeastern Connecticut Regional Resources Recovery Authority (SCRRRA or the Authority) which the Town is a member of, and Town supported services. Both have costs and in some cases revenues associated with them. Waste generation tonnages may fluctuate significantly, making expenditures and revenues difficult to project.

The Schedule of Fees for the Transfer Station were last revised in November 2011. The Department is using this fee schedule for the estimate of revenues.

A. <u>Municipal Solid Waste</u>
The Town brings all municipal solid waste to the Waste to Energy Facility located in Lisbon, CT in accordance with the Municipal Services Agreement with the Authority signed in October of 2019. The tipping fee or cost per ton has been established by the Authority at $59.25/Ton for FY 23.

Listed below are the tonnages of record for the last five fiscal years.

FY	Curbside Collection Tons	Commercial Tons	Total Tons
17	6,591	5,089	11,680
18	7,285	4,426	11,711
19	7,326	5,267	12,593
20	7,510	4,745	12,255
21	7,776	4,834	12,610

5 year average tons 12,170

The proposed budget is for 12,750 tons @ $59.25/ton: **$ 755,438**

B. Single Stream Recycling

Our Single Stream Recycling Program continues to be a success. During FY21 we collected 1,658 tons of recyclables curbside. Due to market changes, the Town will no longer see revenues from recyclables. That agreement expired in November 2019. The Authority has taken on this issue by including the disposal of recyclable material in the Municipal Service Agreement. The Authority for FY23 will be assuming the disposal cost for each of its member towns. It is unknown at this time whether the Authority, starting in FY 24, can continue with subsidizing this disposal in the outlying years.

We continue to operate a recycling compactor at the Bulky Waste Transfer Station and transport the recyclables collected on our routes to Willimantic Waste for processing.

Currently the compactor is rented from Willimantic Waste for $400/month. The contract is renewed in July and it is unknown if an increase will be proposed by Willimantic at this time. **$ 4,800**

C. Bulky Waste (Transfer Station and Curbside Collection)

- Transfer Station: The Bulky Waste Transfer Station is located at the Municipal Complex. This facility serves only the Town of Waterford residents and businesses. A fee of $110/ton is charged for the disposal of the bulky waste.

  This resulted in a revenue of $79,720 for FY 21.

  We have a three year contract with a vendor to remove 1,000 tons of bulky waste a year at $100/ton. This contract also includes a price per pull (estimated at 67 pulls in one fiscal year) @ $415/each. This contract is up June 30, 2022 and is expected to increase. **$ 128,000**

- Curbside Collection: We provide curbside bulky waste pickup and charge per the approved Fee Schedule.

  This resulted in a revenue of $6,070 in FY21.

D. Bulky Steel & Freon Removal

Bulky Steel such as appliances, bicycles, siding, etc. are accepted at the Transfer Station. The value of scrap steel fluctuates greatly. Prior to processing appliance, all Freon refrigerants must be removed from the

refrigerator, dehumidifies, air conditioners, etc. and certified. SCRRRA includes Freon removal as part of services provided by the Authority to the member Towns at no cost.
We received approximately $48,622 in revenues from scrap steel. Our 3 year contract is in place with the Town receiving 71% of the auto bodies export price published in the New York American Metal market (1st issue of the month) but not less than $120/ton. This contract is also up June 30, 2022 and the market for metal is very unsteady.

E. Yard Waste (Brush and Leaves)

Leaves in biodegradable paper bags or loose may be deposited at the Transfer Station. Brush is also accepted. The Authority grinds the brush, at no cost to the Town. This allows the Town to provide the wood mulch for free to our residents. As the Authority provides this service to its 11 member town, at times, when a large quantity of debris accumulates, it is removed from the site to reduce the risk of fire. We will need to dispose of any large, new accumulations. Leaves are transported by the Department to an out of town location.

Revenues: We collected $13,300 for brush at the Transfer Station during FY21 and another $600 for curbside collection of brush totaling $13,900.

The appropriation requested for disposal is **$2,500**

F. Roll-Out Trash & Recycling Containers (Carts)

These 96 gallon units are the roll out containers that the residents put their trash and recyclables in for their curbside pickup. We stock approximately 350 roll out containers as replacements and for new residents. Each household is able to have up to 3 blue & 3 green containers. The cost to the residents are $50 each and the Town delivers to the homeowner, if needed. We also stock parts to repair the carts, when possible. The original carts are beginning to break and the Town is having to replace these more often than ever before.

The revenue from FY21 for these containers was $9,880.

The appropriation requested is **$ 60,000**

G. Street Sweepings / Catch Basin Cleaning

The MS4 Stormwater permit requires monitoring and cleaning all catch basins and sweeping all streets once per year. We are responsible for 3200 catch basins and 240 lane miles of roads. This results in the disposal of approximately 375 tons of waste from the sweeping of roads and cleaning of catch basins.

The estimated cost of disposal is $50/load x 500 loads = ***$25,000***

H. Other costs associated with the operation of the Transfer Station

These are related to the scale used for weighing vehicles in and out of the facility and the DEEP Permit to operate a Transfer Station. Those are:

DEEP Permit Annual Fee	$ 800
Annual Scale Calibration	$1,375
State scale registration fee	$ 250
Weigh Master Licenses for staff	$ 350
	$ 2,775

In summary, the appropriation requested for Solid Waste Disposal is as follows:

ITEM	L.I.	COSTS	FY-21 REVENUES
MSW (Tipping Fees)	42007	$ 755,438	$ 329,218
Single Stream Recycling	44212	$ 4,800	$
Bulky Waste (Transfer Station)	42005	$ 128,000	$ 107,939
Bulky Waste (Curbside Pickup)	42003		$ 6,070
Bulky Steel (Scrap Metal)	44204		$ 48,622
Yard Waste/Brush	44213	$ 2,500	$ 13,300
Roll Out Containers & replacement parts	44209	$ 60,000	$ 9,880
Street Sweeping & Catch Basin Cleaning	44206	$ 25,000	
Scale Expenses/DEEP operating Permit		$ 2,775	
TOTAL		$ 978,513	$ 515,029
APPROPRIATION		$ 978,513	

FY17 $854,303
FY18 $807,371
FY19 $841,915
FY20 $852,829
FY21 $876,159

5 year average $846,515 **FY 23 Request $ 875,000**

52475 Recycling Program

The Town purchases promotional items to inform and motivate residents to recycle.

FY17 $0
FY18 $250
FY19 $250
FY20 $300
FY21 $0

5 year average $160 **FY 23 Request $ 150**

52510 Rental of Equipment:

There is at times the need to rent Public Works equipment such as paving machine for some larger road patching, or a rental unit to replace a large piece of equipment if it is down for an extended period of time for repairs.

FY17	$22,224
FY18	$20,119
FY19	$19,990
FY20	$20,465
FY21	$24,765

5 year Average $21,513 **FY 23 Request $ 5,000**

52531 Landfill Cap Maintenance

This line item includes all cost involving the closed, capped Waterford Landfill. The landfill (18 acres) has been officially closed since December 31, 2001. The DEEP permit requires the landfill to be maintained and monitored for 30 years after closure.

Landfill Well Monitoring – involves a monitoring program for testing, monitoring wells, domestic wells and surface water sites.

Currently, monitoring is performed twice a year, in November and May. The monitoring program consists of groundwater and surface water monitoring, plus the collection and sampling of the water supply well at the nearby pig farm. Decomposition gas monitoring is also required, at the two on-site gas ports. VOC testing is required during the May monitoring event. DEEP requires that a semi-annual report for each monitoring event be submitted, and also the submittal of an annual report in February.

$12,500

Landfill Mowing – The closure Permit requires the landfill be mowed twice a year to prevent large vegetation growth and trees. The current bid for this work is $ 4,650 per mowing, and this mowing is done twice a year. **$ 9,300**

Landfill Maintenance There is a need for calcium chloride for dust control and bank run gravel for the approved processing pad and roadway access maintenance to a portion of the top of the closed landfill where we will continue to process brush and general yard waste. An allocation of $2,000 is requested for these items. **$2,000**

Summary	Landfill Monitoring	$ 12,500
	Landfill Mowing	9,300
	Landfill Maintenance	2,000
		$ 23,800

FY17	$16,308
FY18	$23,232
FY19	$20,159
FY20	$21,800
FY21	$19,450

5 year Average $20,190 **FY 23 Request** **$ 21,000**

MATERIALS & SUPPLIES

53010 Office Supplies:

This includes all office supplies not purchased by the Purchasing Agent, which are particular to departmental operations. These items include printing cartridges, diaries and other supplies.

FY17	$436
FY18	$156
FY19	$332
FY20	$484
FY21	$303

5 year average $342 **FY 23 Request $ 325**

53030 Operational Supplies:

This line includes operational and custodial supplies. Operational supplies required are hand tools, rain gear, safety equipment, chains, tarpaulins, paint, wiping rags, gloves, etc. used by highway maintenance personnel. Supplies include paper goods, trash bags, etc. as materials required for maintaining the Public Works Complex in an orderly manner. Equipment Maintenance supplies include specialized tools, safety gear, cleaners, oxygen, acetylene, the organic herbicide and welding accessories. Refuse Collection & Disposal supplies include gloves, wiping rags and other personal protective equipment.

FY17	$ 18,488
FY18	$ 15,800
FY19	$ 18,032
FY20	$ 16,408
FY21	$ 18,965

5 year average $17,539 **FY 23 Request $18,000**

53050 Engineering Equipment and Supplies:

This appropriation provides all expendable supplies used in the field by the staff, such as wooden stakes, paint, survey tape, etc. Also engineering equipment, engineering references, supplies such as plotting cartridges, paper and other appurtenances for software programs specific to engineering applications are purchased from this line item.

FY17	$375
FY18	$403
FY19	$373
FY20	$116
FY21	$200

5 year average $293 **FY 23 Request $ 300**

53070 Automotive Repairs:

Includes all parts and sublet services required to maintain approximately 190 pieces of equipment and vehicles. Public Works is required to pay to maintain the DPW fleet, as well as the administration vehicles. The repairs that are done for other town departments require DPW to perform the repairs, but the invoices for those parts are sent to the respective department to pay for them. The 5 mechanics performed 1,378 repairs in FY19.

FY17	$ 115,022
FY18	$ 166,456
FY19	$ 166,025
FY20	$ 140,371
FY21	$ 194,378

5 year average $ 156,450

The 5 year average doesn't take into account the added repairs costs of deferring vehicle replacements nor pricing increases, thus, we are using projected end of FY22 as the basis for the FY 23 request.

FY 23 Request $201,000

53090 Fuels and Lubricants:

This includes gasoline, diesel fuel, oils, grease and anti-freeze used on all Public Works equipment. Quantities shown below are the average usage for calendar years FY17 through FY21.

	FY17	FY18	FY19	FY 20	FY21
Unleaded (gal)	4,690	4,730	4,701	5,077	6,064
Diesel (gal)	62,486	66,646	64,462	59,995	62,516

5 year gallon averages
Unleaded – 5,052
Diesel – 63,221

Unleaded Fuel	5,052	**@2.38/gallon**	=	$ 12,024
Diesel	63,221	**@2.47/gallon**	=	$156,156
Lubricants, DEF & Antifreeze			=	$ 50,000
		Total		$218,180

FY17	$116,975
FY18	$137,222
FY19	$200,564
FY20	$132,996
FY21	$116,293

5 year average $140,810

Due to pricing fluctuations, we are using 5 year averages for product used instead of costs.

FY 23 Request $ 200,000

53100 Tires:

This appropriation is established for purchases of new tires, recaps and tubes. These prices are typically found in the State bid for new tires.

FY17	$ 28.602
FY 18	$ 37,652
FY 19	$ 39,037
FY 20	$ 36,833
FY21	$ 30,253

5 year average $ 34,475 **FY 23 Request $ 35,000**

53250 Traffic Control Materials:

All traffic control and street name signs are purchased, installed and inventoried by Public Works staff, in consultation with the Police Department. Currently we maintain 1944 Regulatory signs, 642 Warning signs, 12 Directional signs and 715 Street Name signs. Street sign sizes, lettering and symbols and reflectivity have been upgraded per the Federal Highway Administration (FHWA), as described in the Manual of Uniform Control Devices (MUTCD).

We maintain 521 Stop Bars, 44 Crosswalks, 4 Rail Road Crossing, 66 Turn Lane Arrows, and 30 Lane Dividers throughout the Town, using material purchased from this account.

All lane markings (center and edge markings) are contracted on an in-place basis. Water based centerlines are being replaced with epoxy paint on newly rehabilitated roads. Epoxy lasts approximately 5 years, while water based paint is replaced annually.

FY17	$ 36,797
FY18	$ 30,572
FY19	$ 34,972
FY20	$ 33,858
FY21	$ 23,307

5 year average $ 31,901 **FY 23 Request $ 25,000**

53300 Highway Materials:

All materials utilized for highway maintenance, snow & ice control and small drainage projects are purchased from this line item as required to supplement State Town Aid appropriations presented in line item 10130-55010. Highway Maintenance includes:

- Guide rail repairs
- Repairs to the storm drainage system consisting of outfalls, pipe and catch basins.
- Crack seal, patching and surface treatments of asphalt surfaces

- Street Trees

FY17	$ 292,776
FY18	$ 146,738
FY19	$ 206,386
FY20	$ 261,720
FY21	$ 140,648

5 year average $ 209,654 **FY 23 Request** **$ 176,500**

EQUIPMENT

54050 Automotive Equipment:

The fleet is replaced through the Fleet Management Program funded individually outside the Public Works budget. Funds are necessary, however, for non-rolling stock items.

Non Rolling Stock: Many smaller or specialized pieces of motorized equipment not registered to be on the road also must be considered, such as chain saws, pumps, tampers and attachments which are essential to this department's operation. It also includes equipment for the Equipment Maintenance Division. The requests for non-rolling stock are broken down by divisions below.

Highway Division

H-9 Repurposing	$6,000
GEM Grapple Bucket	$21,514

Equipment Maintenance Division

Mechanics Tool Allowance
A tool allowance in the amount of $500 per mechanic as recommended by the Fleet Utilization Plan

5 Mechanics @ $500/each	$ 2,500
Air Conditioning Service Unit	$9,272
New Set of Forks 60"	$ 820
Zero Turn Mower	$12,041
Production Equipment	$12,000
Tool repair, Replacement line (misc.)	$5,000

Total Highway Division =	$ 27,514
Total Equipment Maintenance Division =	$ 41,631
	$ 69,145

FY17	$12,486
FY18	$ 5,891
FY19	$22,194
FY20	$23,963
FY21	$17,386

5 year average $16,384 **FY23 Request: $69,145**

54020 Office Equipment:

Public Works needs to purchase 2 new cash registers to replace existing ones. One to be used in the office, the other at the Transfer Station trailer. The cost for cash registers are approximately $400/each. **FY23 Request: $ 800**

TOWN AID

55010 Town Aid - Improved Roads:

Town Aid funds are provided through a State of Connecticut allocation system to all municipalities for maintenance of Town roads. The 2021/2022 allocation to Waterford is estimated to be $317,277. We typically use these funds for salt and roadway maintenance.

The total allocation requested is **$ 317,277**

TOWN OF WATERFORD
GENERAL FUND
2022-2023 PROPOSED BUDGET

DEPT/AGENCY: **10130** **PUBLIC WORKS**

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	2022/2023 DEPT/ AGENCY REQUEST	Department Request $ Increase	Department Request % Increaxe
PERSONNEL COSTS						
51110	ADMINISTRATION	323,954	320,501	338,287	17,786	5.55%
51130	ENGINEERING	669	5,558	5,558	0	0.00%
51210	CLERICAL/TECHNICAL	140,465	149,076	150,880	1,804	1.21%
51510	EQUIPMENT MAINTENANCE	268,826	358,379	363,810	5,431	1.52%
51520	HIGHWAY MAINTENANCE	812,243	1,038,247	871,476	(166,771)	-16.06%
51530	REFUSE COLLECTION & MAINT.	434,885	309,828	453,567	143,739	46.39%
51540	SNOW REMOVAL	76,057	70,000	56,000	(14,000)	-20.00%
51810	OVERTIME	61,473	52,000	52,000	0	0.00%
51910	FRINGE BENEFITS	10,580	12,355	12,525	170	1.38%
51920	FICA	151,923	177,171	176,263	(908)	-0.51%
	SUBTOTAL	2,281,075	2,493,115	2,480,366	(12,749)	-0.51%
SERVICES						
52020	POSTAGE	314	440	400	(40)	-9.09%
52030	PROFESSIONAL FEES	92,388	90,000	113,000	23,000	25.56%
52040	SERVICE CONT & REPAIRS	60,556	60,000	65,000	5,000	8.33%
52050	DUES, CONF. & EDUCATION	2,983	1,657	2,000	343	20.70%
52060	PRINTING	50	100	100	0	0.00%
52070	REIMBURSABLE EXPENSE	40	50	50	0	0.00%
52400	MEAL ALLOWANCE	2,371	2,223	2,300	77	3.46%
52410	STREET TREE MAINTENANCE	557	330	5,550	5,220	1581.82%
52450	SITE WORK	28	1,210	800	(410)	-33.88%
52460	STREET LIGHTING	82,478	110,000	95,500	(14,500)	-13.18%
52470	SOLID WASTE DISPOSAL	876,159	870,000	875,000	5,000	0.57%
52475	RECYCLING PROGRAM		250	150	(100)	-40.00%
52500	OPTIONS & RIGHTS OF WAY		1,000	0	(1,000)	-100.00%
52510	RENTAL OF EQUIPMENT	24,765	24,000	5,000	(19,000)	-79.17%
52531	LANDFILL CAP MAINTENANCE	19,450	23,800	21,000	(2,800)	-11.76%
	SUBTOTAL	1,239,851	1,185,060	1,185,850	790	0.07%
MATERIALS & SUPPLIES						
53010	OFFICE SUPPLIES	503	325	325	0	0.00%
53030	OPERATIONAL SUPPLIES	18,965	17,000	18,000	1,000	5.88%
53050	ENGINEER EQUIP & SUPPLIES	4	300	300	0	0.00%
53070	AUTOMOTIVE REPAIRS	194,378	150,000	201,000	51,000	34.00%
53090	FUELS & LUBRICANTS	116,293	180,000	200,000	20,000	11.11%
53100	TIRES	30,253	35,000	35,000	0	0.00%

53250	TRAFFIC CONTROL MATERIALS	23,307	30,000	25,000	(5,000)	-16.67%
53300	HIGHWAY MATERIALS	140,648	225,000	176,500	(48,500)	-21.56%
	SUBTOTAL	524,351	637,625	656,125	18,500	2.90%
EQUIPMENT						
54050	AUTOMOTIVE EQUIPMENT	17,386	71,656	69,145	(2,511)	-3.50%
54060	OFFICE FURNITURE	190	1,500	800	(700)	-46.67%
	SUBTOTAL	17,576	73,156	69,945	(3,211)	-4.39%
IMPROVEMENTS						
55010	TOWN AID ROADS-IMPROVED	304,884	320,698	317,277	(3,421)	-1.07%
	SUBTOTAL	304,884	320,698	317,277	(3,421)	-1.07%
DEPARTMENT TOTAL		4,367,737	4,709,654	4,709,563	(91)	0.00%

PROPOSED REVENUE BY DEPARTMENT
GENERAL FUND
2022-2023 FISCAL YEAR

All revenues from each department must be listed in the following categories. Please add any revenue lines that are not listed below.

DEPARTMENT: Public Works

LINE ITEM	2019-2020 ACTUAL	2020-2021 ACTUAL	2021-2022 YTD	2022-2023 PROPOSED	VARIANCE
Bulky Waste Fees (42003,42005)	94,363	114,009	53,054	**105,000**	**51,946**
Interest/Lien Fees (40301)	111	456	65	**50**	**(15)**
Rentals (42023)	59,140	59,390	25,941	**0**	**(25,941)**
Sale of Recyclables (44204,,44212)	39,649	48,621	17,354	**45,000**	**27,646**
Tipping Fees (42007)	267,846	329,218	79,128	**300,000**	**220,872**
Versa Kart/Blue Box Purchases (44209)	5,370	9,880	5,620	**10,000**	**4,380**
Curbside Brush Pickup (44213)	700	600	380	**600**	**220**
Town Aid (44252)	317,588	317,276	158,216	**317,277**	**159,061**
Excavation Permits (41052)	1,820	2,580	3,960	**2,000**	**(1,960)**
					0
					0
TOTALS	**786,587**	**882,030**	**343,718**	**779,927**	**436,209**

The Board of Selectmen voted on 11/15/11 to make the following adjustment to the Transfer Station Fees effective July 1, 2012. Fees will be in effect all of FY 23.

IV. FEE SCHEDULE

A. The Board of Selectmen shall adopt a fee schedule, which will be effective for a minimum of one year from date of adoption unless circumstances warrant interim review.

B. SCHEDULE OF FEES

1. The Transfer Station **DOES NOT** Accept:
   1. Regular household trash, bottles & cans. These items are collected curbside during our normal weekly curbside collection.
   2. Household Hazardous Waste - Collection sites are provided Spring through Fall. Check newspapers or call Public Works for details.
   3. Grass Clippings: Compost or mulch on lawn.
   4. Rubble, stone, concrete, asphalt, dirt, stumps, rocks.

2. **COLLECTOR LICENSE FEE** - Annual — $25 per truck

3. **TIRES**

Passenger Tires	$ 2/ea
Truck Tires 7:50 x 16 & up	$ 5/ea
Earth Moving Equipment Tires	$50/ea

4. **STUMPS**

Tree Stump (small) < 8"	No Longer Accepted
Tree Stump (large) > 8"	No Longer Accepted

5. **LOGS** — $110/Ton

6. **BRUSH**

Pickup Truck	$ 5/load
Small Dump Truck/Small Dump Trailer(1-2 axle)	$10/load
Large Dump Truck	$15/load

Automobiles - Covered by passenger

Load sizes for fee purposes are:

Pickup Truck	1 CY
Small Dump Truck/Small Dump Trailer (1-2 axle)	3 CY
Large Dump Truck	6 CY

Attendant will use judgment in setting fees for odd-size loads.

7. **DEMOLITION/CONSTRUCTION DEBRIS**

Demolition Debris/Shingles — ***$110/Ton***

$5.00 minimum Charge

8. **APPLIANCES**

Refrigerators, Freezers, Air Conditioners, Dehumidifiers — $15/ea

9. OVERSIZED MSW (Curbside Pick Up Only)

Sofas, Stuffed Chairs, Mattresses Box springs, Carpets	$10/ea

10. ROLL OUT REFUSE CONTAINERS

96 Gallon	$50
Rental	$10/month
Additional Containers 96 gallon	$50

11. RECYCLING CONTAINERS

Additional Containers	$8.00

Refuse Tipping Fee — $62/Ton for Municipal Solid Waste Delivered to SCRRRA in Preston by Contractors

Bulky Waste Curbside Collection
Call 444-5864 for information on how to get an appointment
$20/appt. for regular residential units. Plus applicable fees as shown above.

Brush Curbside Collection
Call 860-444-5864 for information on how to get an appointment
$20/appt. for regular residential units

Accounts over 30 days past due will accrue interest at 1.5% per month.

Accounts with a balance over 90 days will be suspended and access to the Facility will be denied until the balance is paid in full.

C. All fees shall be due and payable upon invoicing or may be paid immediately upon usage. Anyone with a balance due over sixty (60) days will be denied access to the disposal facility.

D. No charge will be made for:

1. Demolition material from a structure burned as Fire Department training
2. Used Motor Oil
3. Anti-freeze
4. Leaves (no plastic bags or grass clippings)
5. Batteries
6. Propane Tanks
7. Metal
8. Fluorescent Bulbs
9. Electronics Recycling

Computers; monitors, TV, Fax Machines, adding machines, printers, scanners, Stereos, speakers

E. Mixed loads of metal and oversized MSW shall be charged at the rate of *$110/Ton*

10130-52050 – Dues, Conferences & Education

CASHO –Yearly Membership
APWA – Yearly Membership
Tree Wardens Assoc – Yearly Membership
Assistant Director – Continuing Certifications (allows him to inspect State projects for the Town)
Some of these are every other year certifications or every third year

<u>Annual Requirements for DPW Personnel:</u>
Confined Space
Lockout/Tag out
Blood borne Pathogens
Hazmat
Protective Personnel Equipment

Bucket Truck / Forklift Certification – Every 3 years
Flagger Certifications – Every 4 years
DEEP - Class A & Class B certifications for Fuel Storage – Every 2 years (4 employees)

<u>Other Classes taken by DPW Staff:</u>
ATSSA Traffic Safety Signs
Principals of Drainage
Managing Effective Teams
Mechanics Seminars for changing automotive techniques – 2 classes a year / 5 Mechanics
Transfer Station Volume Operator – DEEP required
Snow Plow Safety
Defensive Driving
Leadership & Management Skills
Microsoft Excel
Sexual Harassment Prevention Procedure
Commercial Brake System
Air System Brake
ABS Brake Training
AED Training

TOWN OF WATERFORD
PROPOSED REVENUE BY DEPARTMENT
GENERAL FUND
2022-2023 FISCAL YEAR

All revenues from each department must be listed in the following categories. Please add any revenue lines that are not listed below.

DEPARTMENT: Building Maintenance

LINE ITEM	2019-2020 ACTUAL	2020-2021 ACTUAL	2021-2022 YTD	2022-2023 PROPOSED	VARIANCE
Waterford Board of Education					**0**
Shared Use of Town Hall	71,671	71,671	63,836.61	**$67,794.69**	**3,958.08**
					0
					0
					0
					0
					0
TOTALS	**71,671**	**71,671**	**63,837**	**67,795**	**3,958**

TOWN OF WATERFORD
GENERAL FUND
2023 - 2027 CAPITAL IMPROVEMENT PLAN (CIP)

DEPT/AGENCY: 10138 CURRENT YEAR CAPITAL IMPROVEMENTS REVISED 1/18/22

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP	ACTUAL EXPEND/ ENCUMB AS OF 1/1/22	FY 2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN	BOS APPROVED	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027
BOARD OF SELECTMEN:												
55738	FLEET MANAGEMENT PLAN	900,000	800,000		800,000			800,000	1,000,000	1,000,000	1,000,000	1,000,000
SUBTOTAL BD. OF SELECTMEN		**900,000**	**800,000**	**0**	**800,000**	**0**	**0**	**800,000**	**1,000,000**	**1,000,000**	**1,000,000**	**1,000,000**
INFORMATION TECHNOLOGY:												
NEW	MUNIS MODULES (HR & PAYROLL)/FINANCE				0				150,373			
SUBTOTAL INFORMATION TECHNOLOGY		**74,000**	**0**	**0**	**0**	**0**	**0**	**0**	**150,373**	**0**	**0**	**0**
POLICE DEPARTMENT:												
55864	BODY CAMERAS	98,250										
NEW	CELL BENCH SAFETY OVERLAY				17,100			17,100				
NEW	DE-ESCALATION & COMMUNICATION TECHNOLOGY				21,310			21,310				
NEW	ELECTRONIC CONTROL WEAPON TRANSIITON				29,345			29,345				
NEW	EVIDENCE ROOM UPDATE								66,821			
NEW	SPEED TRAILERS								26,100			
55837	INFRARED CAMERAS IN CARS	14,350										
55786	CYBER CRIME TAKS FORCE EQUIPMENT		11,000									
55877	TRAFFIC MESSAGEBOARDS		28,000									
55878	IMPOUND YARD IMPROVEMENTS		28,500									
55879	MARINE OUTBOARD MOTORS		38,500									
55880	LICENSE PLATE READERS		27,120									
SUBTOTAL POLICE DEPARTMENT		**112,600**	**133,120**	**0**	**67,755**	**0**	**0**	**67,755**	**92,921**	**0**	**0**	**0**
FIRE SERVICES:												
NEW	JORDAN - WINDOW REPLACEMENT								60,000			
NEW	JORDAN - FLOORING REPLACEMENT								40,000			
NEW	COHANZIE - EMERGENCY GENERATOR				55,000			55,000				
55881	GOSHEN - AIR CONDITIONING SYSTEM REPLACEMENT		25,000									
55847	COHANZIE - ROOF REPLACEMENT		60,000	0								

TOWN OF WATERFORD
GENERAL FUND
2023 - 2027 CAPITAL IMPROVEMENT PLAN (CIP)

DEPT/AGENCY: 10138 **CURRENT YEAR CAPITAL IMPROVEMENTS** **REVISED 1/18/22**

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP	ACTUAL EXPEND/ ENCUMB AS OF 1/1/22	FY 2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN	BOS APPROVED	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027
55865	GOSHEN- HALL FLOOR REPLACEMENT								15,000			
SUBTOTAL FIRE DEPARTMENT		**0**	**85,000**	**0**	**55,000**	**0**	**0**	**55,000**	**115,000**	**0**	**0**	**0**
PUBLIC WORKS:												
	CONCRETE CURB REPLACEMENT											
NEW	Sandy Hollow & Shore Roads				219,300			219,300				
	SIDEWALK REPLACEMENT											
55882	Norman/Concrete Panels		80,100									
55883	William Street/Concrete Sidewalk		42,300									
55884	Summer Street/Concrete Sidewalk		33,420									
55885	David Street/Concrete Sidewalk		43,680									
55886	Cross Road/Asphalt		69,800									
	Rope Ferry Road (Federal Grant Funds)		304,000									
	ROAD RESURFACING/PAVING											
	Section A, Area 1(P) & Areas 2 - (Norman, Summer, David, William, Wild Rose Ave, Wild Rose Pl and Avenue A)		334,473									
NEW	SECTION A, AREA 3 (TIFFIANY AVE, SAVI AVE, CHERRY ST, WILLOW ST, CEDAR ST, EAST BROOK DRIVE)				325,915			325,915				
55890	Eversource Affected - (Milton & Dunbar)		215,813									
NEW	EVERSOURCE AFFECTED (per attached)				315,951			315,951	372,159			
	MISCELLANEOUS											
55891	Transfer Station (Scale & Scale House)		106,548									
55866	BLOOMINGDALE SOUTH-MILL &PAVE	131,300										
NEW	MILLSTONE EAST NEIGHBORHOOD											
55868	GALLOWS LANE- Reclaim/Pave	134,080										
55867	REMOVE UNDERGROUND UST- Cohanzie Fire	299,000										
SUBTOTAL PUBLIC WORKS		**564,380**	**1,230,134**	**0**	**861,166**	**0**	**0**	**861,166**	**372,159**	**0**	**0**	**0**
MUNICIPAL BUILDINGS MAINTENANCE:												
55851	ADA IMPROVEMENTS YSB/PD	80,700										

TOWN OF WATERFORD
GENERAL FUND
2023 - 2027 CAPITAL IMPROVEMENT PLAN (CIP)

DEPT/AGENCY: 10138 CURRENT YEAR CAPITAL IMPROVEMENTS REVISED 1/18/22

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	ACTUAL EXPEND/ ENCUMB AS OF 1/1/22	FY 2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN	BOS APPROVED	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027
55852	TOWN HALL BATHROOMS	25,000										
57857	CIVIC TRIANGLE UPGRADES		150,000		426,882			426,882				
55819	UNDERGROUND TANK REPLACMENT		250,000									
55892	AC UNIT REPLACEMENT AT EMERGENCY RADIO SITES		60,500									
55893	EUGENE O'NEILL MANSION ROOF REPLACEMENT (co-funded with Eugene O'Neill)		35,000									
NEW	FISH LADDER REPAIR				16,000			16,000				
NEW	UST REPLACEMENT (EUGENE O'NEILL)				260,000			260,000				
NEW	UST REPLACMENT (SOUTHWEST SCH)								130,000			
NEW	UST REPLACEMENT (LIBRARY & PUBLIC SAFETY)				420,000			420,000				
SUBTOTAL MUNICIPAL BUILDINGS MAINTENANCE		105,700	495,500	0	1,122,882	0	0	1,122,882	130,000	0	0	0
UTILITY COMMISSION:												
NEW	WUC BILLING SOFTWARE				130,000			130,000				
NEW	SMALL METAL STORAGE BUILDING								90,000			
55870	CCTV CAMERA & LATERAL LAUNCHING SYSTEM		120,000									
55894	CONTROL PANEL RETRO-FIT (GORMAN-RUPP STATION)		30,000						30,000	30,000		
55895	ROOF & SIDING REPLACEMENT		50,000		50,000			50,000	50,000	25,000		
55871	EVERGREEN PUMP STATION	375,000										
55821	IN-LINE WASTEWATER SOLIDS GRINDERS	85,000										
SUBTOTAL UTILITY COMMISSION		460,000	200,000	0	180,000	0	0	180,000	170,000	55,000	0	0
RECREATION & PARKS:												
NEW	VETERAN'S FIELD LIGHT REPLACEMENT								275,000			
55896	EQUIPMENT STORAGE PLAN		21,000									
55838	CHILDREN'S PLAYGROUND EQUIP.				40,000			40,000				
SUBTOTAL RECREATION & PARKS		0	21,000	0	40,000	0	0	40,000	275,000	0	0	0

TOWN OF WATERFORD
GENERAL FUND
2023 - 2027 CAPITAL IMPROVEMENT PLAN (CIP)

DEPT/AGENCY: 10138 CURRENT YEAR CAPITAL IMPROVEMENTS **REVISED 1/18/22**

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	ACTUAL EXPEND/ ENCUMB AS OF 1/1/22	FY 2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN	BOS APPROVED	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027
BOARD OF EDUCATION:												
SUBTOTAL BOARD OF EDUCATION:		0	0	0	0	0	0	0	0	0	0	0
TOTAL BUDGET		2,216,680	2,964,754	0	3,126,803	0	0	3,126,803	2,305,453	1,055,000	1,000,000	1,000,000

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	ACTUAL EXPEND/ ENCUMB AS OF 1/1/22	FY 2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN	BOS APPROVED	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027
LESS: GRANTS/OTHER REVENUE (OTHER OFFSETS)												
	STATE RECREATIONAL TRAIL PROGRAM (CIVIC TRIANGLE)				(260,000)			(260,000)				
	EVERSOURCE PAYMENT				(112,011)			(112,011)	(75,355)			
	CONTRIBUTED GIFT GRANT (REC & PARK) CHILDREN'S PLAYGROUND EQUIPMENT				(40,000)			(40,000)				
TOTAL OFFSETS		0	0	0	(412,011)	0	0	(412,011)	(75,355)	0	0	0

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	ACTUAL EXPEND/ ENCUMB AS OF 1/1/22	FY 2023 DEPT/ AGENCY REQUEST	2022/2023 RECOMMENDED BD OF SELECTMEN	BOS APPROVED	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027
TOTAL GENERAL FUND APPROPRIATION		2,216,680	2,964,754	0	2,714,792	0	0	2,714,792	2,230,098	1,055,000	1,000,000	1,000,000

TOWN OF WATERFORD
GENERAL FUND
2022-2023 PROPOSED BUDGET

DEPT/AGENCY: *10139* *DEBT SERVICE*

LINE ITEM	DESCRIPTION	2020/2021 ACTUAL EXPENDED	2021/2022 RTM APPROP.	2021/2022 ADDITIONAL/ TRANSFERS	ACTUAL EXPEND & ENCUMB AS OF 1/1/22	2022/2023 DEPT/ AGENCY REQUEST	2022/2023 APPROVED BD/COMM. (12/8/21)	2022/2023 RECOMMENDED BD OF SELECTMEN (2/9/22)	BOS Approved $ Increase	BOS Approved % Increaxe	2022/2023 BOARD OF FINANCE REDUCTIONS	2022/2023 RECOMMENDED BD OF FINANCE	BOF Approved $ Increase	BOF Approved % Increase
PRINCIPAL & INTEREST														
56025	OSWEGATCHIE PRINCIPAL	735,000	0											
56026	OSWEGATCHIE INTEREST	9,188	0											
56029	HIGH SCHOOL BOND PRINCIPAL	1,755,000	1,755,000		1,755,000				(1,755,000)	-100.00%			(1,755,000)	-100.00%
56032	HIGH SCHOOL BOND INTEREST	348,998	35,100		35,100				(35,100)	-100.00%			(35,100)	-100.00%
56033	SCHOOLS ISSUE OF 2014 PRINCIPAL	750,000	815,000			845,000	845,000	845,000	30,000	3.68%			(815,000)	-100.00%
56034	SCHOOLS ISSUE OF 2014 INTEREST	258,709	57,950		28,975	25,530	25,530	25,530	(32,420)	-55.94%			(57,950)	-100.00%
56035	2014 BOND REFUNDING - PRINCIPAL	840,000	835,000		835,000	830,000	830,000	830,000	(5,000)	-0.60%			(835,000)	-100.00%
56036	2014 BOND REFUNDING - INTEREST	240,275	206,750		109,638	180,738	180,738	180,738	(26,012)	-12.58%			(206,750)	-100.00%
56037	2017 BOND REFUNDING - PRINCIPAL	325,000	1,050,000		1,050,000	1,055,000	1,055,000	1,055,000	5,000	0.48%			(1,050,000)	-100.00%
56038	2017 BOND REFUNDING - INTEREST	630,275	609,650		312,700	567,525	567,525	567,525	(42,125)	-6.91%			(609,650)	-100.00%
56039	2019 BOND REFUNDING PRINCIPAL	655,000	700,000		700,000	715,000	715,000	715,000	15,000	2.14%			(700,000)	-100.00%
56040	2019 BOND REFUNDING INTEREST	442,469	375,750		196,625	340,375	340,375	340,375	(35,375)	-9.41%			(375,750)	-100.00%
56041	2019 BAN'S MUNI COMP $10M ISSUE	224,375	0						0	#DIV/0!			0	#DIV/0!
56042	2020 MUNICIPAL COMPLEX - PRINCIPAL		685,000		685,000	685,000	685,000	685,000	0	0.00%			(685,000)	-100.00%
56043	2020 MUNICIPAL COMPLEX - INTEREST	306,176	457,975		237,550	423,725	423,725	423,725	(34,250)	-7.48%			(457,975)	-100.00%
56044	2020 BOND REFUNDING - PRINCIPAL					1,180,000	1,180,000	1,180,000	1,180,000	#DIV/0!			0	#DIV/0!
56045	2020 BOND REFUNDING - INTEREST	43,932	351,458		175,729	349,747	349,747	349,747	(1,711)	-0.49%			(351,458)	-100.00%
DEPARTMENT TOTAL		7,564,397	7,934,633	0	6,121,317	7,197,640	7,197,640	7,197,640	(736,993)	-9.29%	0	0	(7,934,633)	-100.00%

BUDGET FUNCTION

The town typically incurs monetary debt in the form of long-term (20 year) bonds used as a funding source for long-term capital projects. The debt service budget defines the amount of both principal and interest that the town will pay its creditors (typically bondholders) in a given fiscal year.

The debt service budget can also be used to manage repayment of shorter-term multi-year debt. (Note that large capital projects may be funded by any combination of long term borrowing, general fund appropriations, short-term borrowing, grants, special assessments, special revenue fund appropriation, and donations to fully fund a given project. The debt service budget addresses borrowed funds.

References:

Charter Section 3.2.3 Capital Plans (First Selectman)

Ordinance 2.04.170 - Budget Preparation and Submission (RTM)

Ordinance 2.04.180 – Appropriations (RTM)

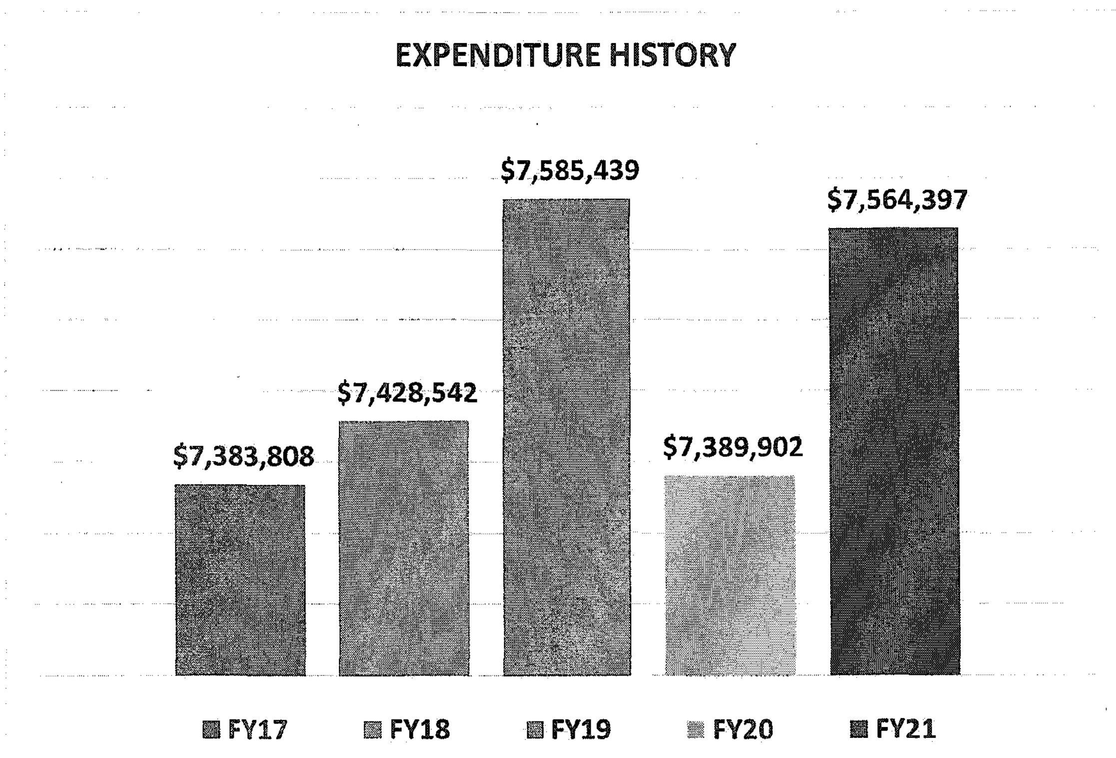
Conn Statutes: C.G.S.A. § 7-369 et seq.

BUDGET SUMMARY

The FY23 budget request is $736,993 (-9.29%) lower than fiscal year 2022 due to the following changes:

1. The High School Bond was eliminated as part of the 2020 Bond Refunding.
2. All but one payment of the 2014 Bond Issuance for the schools was eliminated as part of the 2020 Bond Refunding.

The first payment against principal for the 2020 bond refunding is due in FY23.



Statement of Debt Incurred, Outstanding Interest Maturities
General Government

Issue	Date of Issue	Maturity Date	Amount of Issue	Ave. Coupon	Outstanding as of 6/30/2022	Principal Due FY-2023	Interest Due FY-2023
2014 High School	Mar 2014	Mar 2034	$15,930,000	3.474%	$845,000	$845,000	$25,530
2014 Refunding Bond Issue	Dec 2014	Aug. 2026	$9,440,000	4.529%	$4,175,000	$830,000	$180,738
2017 Refunding Bond Issue	Jun 2018	Aug 2030	$14,585,000	4.642%	$12,365,000	$1,055,000	$567,525
2019 Refunding Bond Issue	Dec 2019	Aug 2030	$9,085,000	4.494%	$7,730,000	$715,000	$340,375
2020 Municipal Complex	Jul 2020	Sept 2040	$13,655,000	2.260%	$12,970,000	$685,000	$423,725
2020 Refunding Bond Issue	Dec 2020	Aug 2033	$28,890,000	1.210%	$28,890,000	$1,180,000	$349,747
			$91,585,000		$66,975,000	$5,310,000	$1,887,640

Total Debt Service	**$7,197,640**

Town of Waterford

Bonded Debt History

Original Issues

2007 G.O. Bonds – Additions and Renovations to Clark Lane Middle School	$15,865,000
2009 G.O. Bonds – Additions and Renovations to Quaker Hill Elementary School	$ 8,500,000
2011 G.O. Bonds – Additions and Renovations to Oswegatchie Elementary School	$14,000,000
2012 G.O. Bonds – Additions and Renovations Great Neck Elementary School	$15,640,000
2013 G.O. Bonds – Additions and Renovations to Waterford High School	$33,750,000
2014 G.O. Bonds – Additions and Renovations to Waterford High School	$13,700,000
Renovations Quaker Hill Elementary	$ 851,545
Renovations Oswegatchie Elementary	$ 720,425
Renovations Great Neck Elementary	$ 658,030
Total	$15,930,000
2020 G.O. Bonds – Municipal Complex Garage Addition and Renovations	$13,655,000
Total Bonded	$15,096,084

Refunding Issues

2014 G.O. Refunding Bonds	Refunding of G.O. Bonds, Issue 2007	$ 9,440,000

Original 2007 Issue $15,865,000 for Additions and Renovations to Clark Lane Middle School

2017 G.O. Refunding Bonds		$14,585,000
	Refunding of G.O. Bonds, Issue 2009	$ 4,900,000
	Refunding of G.O. Bonds, Issue 2011	$ 7,350,000
	Refunding of G.O. Bonds, Issue 2013	$ 4,000,000
	Total Refunded	$16,250,000
2019 G.O. Refunding Bonds	Refunding of G.O. Bonds, Issue 2012	$ 9,085,000
	Total Refunded	$10,375,000
2020 G.O. Refunding Bonds	Refunding of G.O. Bonds, Issue 2013	$17,585,000
	Refunding of G.O. Bonds, Issue 2014	$10,115,000
	Total Refunded	$28,890,000

Town of [illegible]erford
Debt Service
Amorization Schedule

	Original Issue Amount	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027	FY-2028
2014 G.O. Bonds	$ 15,930,000.00						
Principal		$ 845,000.00					
Interest		$ 25,530.00					
		$ 870,530.00	$ -	$ -	$ -	$ -	$ -
2014 G.O. Refunding	$ 9,440,000.00						
Principal		$ 830,000.00	$ 825,000.00	$ 835,000.00	$ 840,000.00	$ 845,000.00	
Interest		$ 180,737.50	$ 146,625.00	$ 105,125.00	$ 63,250.00	$ 21,125.00	
		$ 1,010,737.50	$ 971,625.00	$ 940,125.00	$ 903,250.00	$ 866,125.00	$ -
2017 G.O. Refunding	$ 14,585,000.00						
Principal		$ 1,055,000.00	$ 1,070,000.00	$ 1,085,000.00	$ 1,070,000.00	$ 2,830,000.00	$ 2,820,000.00
Interest		$ 567,525.00	$ 514,400.00	$ 460,525.00	$ 406,650.00	$ 309,150.00	$ 167,900.00
		$ 1,622,525.00	$ 1,584,400.00	$ 1,545,525.00	$ 1,476,650.00	$ 3,139,150.00	$ 2,987,900.00
2019 G.O. Refunding	$ 9,085,000.00						
Principal		$ 715,000.00	$ 675,000.00	$ 855,000.00	$ 870,000.00	$ 885,000.00	$ 905,000.00
Interest		$ 340,375.00	$ 305,625.00	$ 267,375.00	$ 224,250.00	$ 180,375.00	$ 135,625.00
		$ 1,055,375.00	$ 980,625.00	$ 1,122,375.00	$ 1,094,250.00	$ 1,065,375.00	$ 1,040,625.00

Town of terford
Debt Service
Amorization Schedule

	Original Issue Amount	FY-2023	FY-2024	FY-2025	FY-2026	FY-2027	FY-2028
2020 G.O. Bonds	$ 13,655.00						
Principal		$ 685,000.00	$ 685,000.00	$ 685,000.00	$ 685,000.00	$ 685,000.00	$ 685,000.00
Interest		$ 423,725.00	$ 389,475.00	$ 355,225.00	$ 320,975.00	$ 286,725.00	$ 252,475.00
		$ 1,108,725.00	$ 1,074,475.00	$ 1,040,225.00	$ 1,005,975.00	$ 971,725.00	$ 937,475.00
2020 G.O. Refunding	$ 28,890,000.00						
Principal		$ 1,180,000.00	$ 3,195,000.00	$ 3,135,000.00	$ 3,180,000.00	$ 1,150,000.00	$ 1,135,000.00
Interest		$ 349,746.50	$ 342,124.75	$ 314,375.00	$ 304,375.00	$ 286,050.50	$ 273,374.75
		$ 1,529,746.50	$ 3,537,124.75	$ 3,449,375.00	$ 3,484,375.00	$ 1,436,050.50	$ 1,408,374.75
	Principal	$ 5,310,000.00	$ 6,450,000.00	$ 6,595,000.00	$ 6,645,000.00	$ 6,395,000.00	$ 5,545,000.00
	Interest	$ 1,887,639.00	$ 1,698,249.75	$ 1,502,625.00	$ 1,319,500.00	$ 1,083,425.50	$ 829,374.75
	GRAND TOTAL	$ 7,197,639.00	$ 8,148,249.75	$ 8,097,625.00	$ 7,964,500.00	$ 7,478,425.50	$ 6,374,374.75

Town of terford
Debt Service
Amorization Schedule

	FY-2029	FY-2030	FY-2031	FY-2032	FY-2033	FY-2034	Totals
2014 G.O. Bonds							
Principal							$ 845,000.00
Interest							$ 25,530.00
	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,741,060.00
2014 G.O. Refunding							
Principal							$ 4,175,000.00
Interest							$ 516,862.50
	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,691,862.50
2017 G.O. Refunding							
Principal	$ 1,070,000.00	$ 685,000.00	$ 680,000.00				$ 12,365,000.00
Interest	$ 76,000.00	$ 40,900.00	$ 13,600.00				$ 2,556,650.00
	$ 1,146,000.00	$ 725,900.00	$ 693,600.00	$ -	$ -	$ -	$ 14,921,650.00
2019 G.O. Refunding							
Principal	$ 915,000.00	$ 950,000.00	$ 960,000.00				$ 7,730,000.00
Interest	$ 94,700.00	$ 57,400.00	$ 19,200.00				$ 1,624,925.00
	$ 1,009,700.00	$ 1,007,400.00	$ 979,200.00	$ -	$ -	$ -	$ 9,354,925.00

Town of [illegible]terford
Debt Service
Amorization Schedule

	FY-2029	FY-2030	FY-2031	FY-2032	FY-2033	FY-2034	Totals
2020 G.O. Bonds							
Principal	$ 685,000.00	$ 685,000.00	$ 685,000.00				$ 6,165,000.00
Interest	$ 218,225.00	$ 187,400.00	$ 163,425.00				$ 2,597,650.00
	$ 903,225.00	$ 872,400.00	$ 848,425.00	$ -	$ -	$ -	$ 8,762,650.00
2020 G.O. Refunding							
Principal	$ 3,100,000.00	$ 3,055,000.00	$ 3,015,000.00	$ 2,950,000.00	$ 2,890,000.00	$ 905,000.00	$ 28,890,000.00
Interest	$ 243,836.50	$ 197,069.75	$ 147,912.75	$ 96,925.00	$ 44,380.00	$ 8,823.75	$ 2,608,994.25
	$ 3,343,836.50	$ 3,252,069.75	$ 3,162,912.75	$ 3,046,925.00	$ 2,934,380.00	$ 913,823.75	$ 31,498,994.25
	$ 5,770,000.00	$ 5,375,000.00	$ 5,340,000.00	$ 2,950,000.00	$ 2,890,000.00	$ 905,000.00	$ 60,170,000.00
	$ 632,761.50	$ 482,769.75	$ 344,137.75	$ 96,925.00	$ 44,380.00	$ 8,823.75	$ 9,930,611.75
	$ 6,402,761.50	$ 5,857,769.75	$ 5,684,137.75	$ 3,046,925.00	$ 2,934,380.00	$ 913,823.75	$ 70,100,611.75

2020 Refunding

AMTEC
American Municipal Tax-Exempt Compliance

90 Avon Meadow Lane
Avon, CT 06001
(T) 860-321-7521
(F) 860-321-7581
www.amteccorp.com

Town of Waterford ("Issuer")
15 Rope Ferry Road
Waterford, CT 06385

Day Pitney, LLP ("Bond Counsel")
242 Trumbull Street
Hartford, CT 06103

Hilltop Securities Inc. ("Financial Advisor")
129 Samson Rock Drive, Suite A
Madison, CT 06443

Robert W. Baird & Co., Inc. ("Senior Manager")
One Harding Road, Suite 207
Red Bank, NJ 07701

U.S. Bank National Association
("Paying/Escrow Agent")
CityPlace I, 185 Asylum Street, 27th Floor
Hartford, CT 06103

Town of Waterford, Connecticut
General Obligation Refunding Bonds, Series 2020B (Federally Taxable)

The Town of Waterford, Connecticut proposes to issue the above referenced General Obligation Refunding Bonds, Series 2020B (Federally Taxable) (the "Bonds"). The Bonds are dated December 30, 2020 and will be issued on December 30, 2020. The Bonds consist of $28,890,000 Serial Bonds.

A portion of the proceeds of the Bonds will be used to purchase United States Treasury Securities – State and Local Government Series (the "Acquired Obligations"), together with an initial cash deposit, which will be placed in an irrevocable escrow fund, to be used solely to refund that portion of the Issuer's General Obligation Bonds, Issue of 2013 and General Obligation Bonds, Issue of 2014 described below (collectively, the "Refunded Bonds").

Series	Principal Issued	Dated	Principal Refunded	Maturities Refunded	Redemption Date	Redemption Price
2013	$33,750,000	3/15/13	$17,585,000	8/15/22 to 8/15/32	8/15/21	100%
2014	$15,930,000	3/17/14	$10,115,000	3/15/24 to 3/15/34	3/15/22	100%

At your request, we have independently calculated, based on information and assumptions as provided to us by the Financial Advisor, that the receipts from the Acquired Obligations, along with the initial cash deposit, will be sufficient to pay to and at redemption, the principal and interest on the Refunded Bonds.

At your request, we have independently verified the arithmetical accuracy of the computations based on schedules provided to us by the Financial Advisor. We have relied solely on the assumptions and information, as provided to us by the Financial Advisor, and have not made any study or evaluation of them, except as noted below. We express no opinion on the reasonableness of the assumptions, or the likelihood that the debt service requirements of the Refunded Bonds will be paid as described in the accompanying exhibits.

General Obligation Bonds, Issue of 2013

Issue	Dated Date	Maturity Date	Amount Outstanding	Interest Rate	Redemption Date	Redemption Price
2013	3/15/2013	8/15/2022	$1,755,000	2.000%	8/15/2021	100.00%
2013	3/15/2013	8/15/2023	1,955,000	2.250	8/15/2021	100.00
2013	3/15/2013	8/15/2024	1,955,000	2.250	8/15/2021	100.00
2013	3/15/2013	8/15/2025	2,000,000	2.500	8/15/2021	100.00
2013	3/15/2013	8/15/2028	2,000,000	3.250	8/15/2021	100.00
2013	3/15/2013	8/15/2029	2,000,000	3.000	8/15/2021	100.00
2013	3/15/2013	8/15/2030	2,000,000	3.000	8/15/2021	100.00
2013	3/15/2013	8/15/2031	1,970,000	3.100	8/15/2021	100.00
2013	3/15/2013	8/15/2032	1,950,000	3.500	8/15/2021	100.00
			17,585,000			

General Obligation Bonds, Issue of 2014

Issue	Dated Date	Maturity Date	Amount Outstanding	Interest Rate	Redemption Date	Redemption Price
2014	3/17/2014	3/15/2024	875,000	3.000	3/15/2022	100.00
2014	3/17/2014	3/15/2025	875,000	3.000	3/15/2022	100.00
2014	3/17/2014	3/15/2026	920,000	3.000	3/15/2022	100.00
2014	3/17/2014	3/15/2027	925,000	3.000	3/15/2022	100.00
2014	3/17/2014	3/15/2028	925,000	3.200	3/15/2022	100.00
2014	3/17/2014	3/15/2029	925,000	3.250	3/15/2022	100.00
2014	3/17/2014	3/15/2030	925,000	3.500	3/15/2022	100.00
2014	3/17/2014	3/15/2031	925,000	3.625	3/15/2022	100.00
2014	3/17/2014	3/15/2032	940,000	3.750	3/15/2022	100.00
2014	3/17/2014	3/15/2033	940,000	3.875	3/15/2022	100.00
2014	3/17/2014	3/15/2034	940,000	3.875	3/15/2022	100.00
			$10,115,000			
		Total.............	$27,700,000			

Upon delivery of the Bonds, a portion of proceeds of the Bonds will be placed in an irrevocable escrow fund (the "Escrow Deposit Fund") established with U.S. Bank National Association, as escrow agent (the "Escrow Agent") under an Escrow Agreement (the "Escrow Agreement") dated as of the date of delivery of the Bonds, between the Escrow Agent and the Town. The Escrow Agent will use such proceeds to purchase a portfolio of non-callable direct obligations guaranteed by the government of the United States of America, including United States Treasury State and Local Government Series ("SLGS") securities, Federal National Mortgage Association ("FNMA") securities and any other securities permitted by Section 7-400 of the Connecticut General Statutes, all of which shall not be callable or prepayable at the option of the issuer of the securities (the "Escrow Securities"), the principal of and interest on which, when due, will provide amounts sufficient to pay the principal, interest and redemption premium on the Refunded Bonds to the redemption dates or maturity (the "Escrow Requirements"). All investment income on and maturing principal of the Escrow Securities held in the Escrow Deposit Fund and needed to pay the principal, interest and redemption premium on the Refunded Bonds will be irrevocably deposited by the Town for payment of the Refunded Bonds. The balance of the proceeds of the Bonds will be used to pay costs of issuance and Underwriter's discount.

BOND DEBT SERVICE

Town of Waterford, Connecticut
General Obligation Refunding Bonds, Series 2020B (Federally Taxable)

Dated Date 12/30/2020
Delivery Date 12/30/2020

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
02/15/2021			43,932.19	43,932.19	
06/30/2021					43,932.19
08/15/2021			175,728.75	175,728.75	
02/15/2022			175,728.75	175,728.75	
06/30/2022					351,457.50
08/15/2022	1,180,000	0.290%	175,728.75	1,355,728.75	
02/15/2023			174,017.75	174,017.75	
06/30/2023					1,529,746.50
08/15/2023	3,195,000	0.370%	174,017.75	3,369,017.75	
02/15/2024			168,107.00	168,107.00	
06/30/2024					3,537,124.75
08/15/2024	3,135,000	0.620%	168,107.00	3,303,107.00	
02/15/2025			158,388.50	158,388.50	
06/30/2025					3,461,495.50
08/15/2025	3,180,000	0.780%	158,388.50	3,338,388.50	
02/15/2026			145,986.50	145,986.50	
06/30/2026					3,484,375.00
08/15/2026	1,150,000	1.030%	145,986.50	1,295,986.50	
02/15/2027			140,064.00	140,064.00	
06/30/2027					1,436,050.50
08/15/2027	1,135,000	1.190%	140,064.00	1,275,064.00	
02/15/2028			133,310.75	133,310.75	
06/30/2028					1,408,374.75
08/15/2028	3,100,000	1.470%	133,310.75	3,233,310.75	
02/15/2029			110,525.75	110,525.75	
06/30/2029					3,343,836.50
08/15/2029	3,055,000	1.570%	110,525.75	3,165,525.75	
02/15/2030			86,544.00	86,544.00	
06/30/2030					3,252,069.75
08/15/2030	3,015,000	1.670%	86,544.00	3,101,544.00	
02/15/2031			61,368.75	61,368.75	
06/30/2031					3,162,912.75
08/15/2031	2,950,000	1.750%	61,368.75	3,011,368.75	
02/15/2032			35,556.25	35,556.25	
06/30/2032					3,046,925.00
08/15/2032	2,890,000	1.850%	35,556.25	2,925,556.25	
02/15/2033			8,823.75	8,823.75	
06/30/2033					2,934,380.00
08/15/2033	905,000	1.950%	8,823.75	913,823.75	
06/30/2034					913,823.75
	28,890,000		3,016,504.44	31,906,504.44	31,906,504.44

PROOF OF ARBITRAGE YIELD

Town of Waterford, Connecticut
General Obligation Refunding Bonds, Series 2020B (Federally Taxable)

Date	Debt Service	Total	Present Value to 12/30/2020 @ 1.4572961436%
02/15/2021	43,932.19	43,932.19	43,852.52
08/15/2021	175,728.75	175,728.75	174,141.21
02/15/2022	175,728.75	175,728.75	172,881.51
08/15/2022	1,355,728.75	1,355,728.75	1,324,114.49
02/15/2023	174,017.75	174,017.75	168,730.38
08/15/2023	3,369,017.75	3,369,017.75	3,243,022.95
02/15/2024	168,107.00	168,107.00	160,649.55
08/15/2024	3,303,107.00	3,303,107.00	3,133,742.84
02/15/2025	158,388.50	158,388.50	149,180.26
08/15/2025	3,338,388.50	3,338,388.50	3,121,559.22
02/15/2026	145,986.50	145,986.50	135,517.19
08/15/2026	1,295,986.50	1,295,986.50	1,194,343.28
02/15/2027	140,064.00	140,064.00	128,145.16
08/15/2027	1,275,064.00	1,275,064.00	1,158,122.95
02/15/2028	133,310.75	133,310.75	120,208.41
08/15/2028	3,233,310.75	3,233,310.75	2,894,437.11
02/15/2029	110,525.75	110,525.75	98,226.15
08/15/2029	3,165,525.75	3,165,525.75	2,792,907.24
02/15/2030	86,544.00	86,544.00	75,804.44
08/15/2030	3,101,544.00	3,101,544.00	2,697,010.26
02/15/2031	61,368.75	61,368.75	52,978.41
08/15/2031	3,011,368.75	3,011,368.75	2,580,848.91
02/15/2032	35,556.25	35,556.25	30,252.52
08/15/2032	2,925,556.25	2,925,556.25	2,471,161.24
02/15/2033	8,823.75	8,823.75	7,399.34
08/15/2033	913,823.75	913,823.75	760,762.44
	31,906,504.44	31,906,504.44	28,890,000.00

Proceeds Summary

Delivery date	12/30/2020
Par Value	28,890,000.00
Target for yield calculation	28,890,000.00

SAVINGS

Town of Waterford, Connecticut
General Obligation Refunding Bonds, Series 2020B (Federally Taxable)

Date	Prior Debt Service	Refunding Debt Service	Savings	Present Value to 12/30/2020 @ 1.4572961%
06/30/2021	414,456.88	43,932.19	370,524.69	369,646.67
06/30/2022	828,913.76	351,457.50	477,456.26	471,023.82
06/30/2023	2,566,363.76	1,529,746.50	1,036,617.26	1,010,467.74
06/30/2024	3,601,820.01	3,537,124.75	64,695.26	53,335.62
06/30/2025	3,531,582.51	3,461,495.50	70,087.01	57,886.39
06/30/2026	3,548,338.76	3,484,375.00	63,963.76	51,175.07
06/30/2027	1,500,738.76	1,436,050.50	64,688.26	51,149.35
06/30/2028	1,472,988.76	1,408,374.75	64,614.01	50,421.74
06/30/2029	3,410,888.76	3,343,836.50	67,052.26	52,068.28
06/30/2030	3,318,326.26	3,252,069.75	66,256.51	50,781.93
06/30/2031	3,225,951.26	3,162,912.75	63,038.51	47,417.71
06/30/2032	3,116,885.00	3,046,925.00	69,960.00	52,725.55
06/30/2033	2,996,975.00	2,934,380.00	62,595.00	45,933.17
06/30/2034	976,425.00	913,823.75	62,601.25	45,369.31
	34,510,654.48	31,906,504.44	2,604,150.04	2,409,402.34

Savings Summary

PV of savings from cash flow	2,409,402.34
Plus: Refunding funds on hand	3,869.32
Net PV Savings	2,413,271.66

Municipal Complex

BOND DEBT SERVICE

Town of Waterford, Connecticut
General Obligation Bonds, Series 2020
FINAL NUMBERS

Period Ending	Principal	Coupon	Interest	Debt Service
06/30/2021			306,175.56	306,175.56
06/30/2022	685,000	5.000%	457,975.00	1,142,975.00
06/30/2023	685,000	5.000%	423,725.00	1,108,725.00
06/30/2024	685,000	5.000%	389,475.00	1,074,475.00
06/30/2025	685,000	5.000%	355,225.00	1,040,225.00
06/30/2026	685,000	5.000%	320,975.00	1,005,975.00
06/30/2027	685,000	5.000%	286,725.00	971,725.00
06/30/2028	685,000	5.000%	252,475.00	937,475.00
06/30/2029	685,000	5.000%	218,225.00	903,225.00
06/30/2030	685,000	4.000%	187,400.00	872,400.00
06/30/2031	685,000	3.000%	163,425.00	848,425.00
06/30/2032	685,000	3.000%	142,875.00	827,875.00
06/30/2033	680,000	3.000%	122,400.00	802,400.00
06/30/2034	680,000	2.000%	105,400.00	785,400.00
06/30/2035	680,000	2.000%	91,800.00	771,800.00
06/30/2036	680,000	2.000%	78,200.00	758,200.00
06/30/2037	680,000	2.000%	64,600.00	744,600.00
06/30/2038	680,000	2.125%	50,575.00	730,575.00
06/30/2039	680,000	2.125%	36,125.00	716,125.00
06/30/2040	680,000	2.125%	21,675.00	701,675.00
06/30/2041	680,000	2.125%	7,225.00	687,225.00
	13,655,000		4,082,675.56	17,737,675.56

Municipal Complex

BOND DEBT SERVICE

Town of Waterford, Connecticut
General Obligation Bonds, Series 2020
FINAL NUMBERS

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
03/15/2021			306,175.56	306,175.56	
06/30/2021					306,175.56
09/15/2021	685,000	5.000%	237,550.00	922,550.00	
03/15/2022			220,425.00	220,425.00	
06/30/2022					1,142,975.00
09/15/2022	685,000	5.000%	220,425.00	905,425.00	
03/15/2023			203,300.00	203,300.00	
06/30/2023					1,108,725.00
09/15/2023	685,000	5.000%	203,300.00	888,300.00	
03/15/2024			186,175.00	186,175.00	
06/30/2024					1,074,475.00
09/15/2024	685,000	5.000%	186,175.00	871,175.00	
03/15/2025			169,050.00	169,050.00	
06/30/2025					1,040,225.00
09/15/2025	685,000	5.000%	169,050.00	854,050.00	
03/15/2026			151,925.00	151,925.00	
06/30/2026					1,005,975.00
09/15/2026	685,000	5.000%	151,925.00	836,925.00	
03/15/2027			134,800.00	134,800.00	
06/30/2027					971,725.00
09/15/2027	685,000	5.000%	134,800.00	819,800.00	
03/15/2028			117,675.00	117,675.00	
06/30/2028					937,475.00
09/15/2028	685,000	5.000%	117,675.00	802,675.00	
03/15/2029			100,550.00	100,550.00	
06/30/2029					903,225.00
09/15/2029	685,000	4.000%	100,550.00	785,550.00	
03/15/2030			86,850.00	86,850.00	
06/30/2030					872,400.00
09/15/2030	685,000	3.000%	86,850.00	771,850.00	
03/15/2031			76,575.00	76,575.00	
06/30/2031					848,425.00
09/15/2031	685,000	3.000%	76,575.00	761,575.00	
03/15/2032			66,300.00	66,300.00	
06/30/2032					827,875.00
09/15/2032	680,000	3.000%	66,300.00	746,300.00	
03/15/2033			56,100.00	56,100.00	
06/30/2033					802,400.00
09/15/2033	680,000	2.000%	56,100.00	736,100.00	
03/15/2034			49,300.00	49,300.00	
06/30/2034					785,400.00
09/15/2034	680,000	2.000%	49,300.00	729,300.00	
03/15/2035			42,500.00	42,500.00	
06/30/2035					771,800.00
09/15/2035	680,000	2.000%	42,500.00	722,500.00	
03/15/2036			35,700.00	35,700.00	
06/30/2036					758,200.00
09/15/2036	680,000	2.000%	35,700.00	715,700.00	
03/15/2037			28,900.00	28,900.00	
06/30/2037					744,600.00
09/15/2037	680,000	2.125%	28,900.00	708,900.00	
03/15/2038			21,675.00	21,675.00	
06/30/2038					730,575.00
09/15/2038	680,000	2.125%	21,675.00	701,675.00	
03/15/2039			14,450.00	14,450.00	
06/30/2039					716,125.00
09/15/2039	680,000	2.125%	14,450.00	694,450.00	
03/15/2040			7,225.00	7,225.00	
06/30/2040					701,675.00
09/15/2040	680,000	2.125%	7,225.00	687,225.00	
06/30/2041					687,225.00
	13,655,000		4,082,675.56	17,737,675.56	17,737,675.56

BOND DEBT SERVICE

Waterford Outstanding Debt Post 2019 Refunding

Period Ending	Principal	Coupon	Interest	Debt Service
06/30/2021	5,060,000	** %	2,344,370.57	7,404,370.57
06/30/2022	5,155,000	** %	2,114,113.76	7,269,113.76
06/30/2023	5,200,000	** %	1,925,351.26	7,125,351.26
06/30/2024	5,400,000	** %	1,738,470.01	7,138,470.01
06/30/2025	5,605,000	** %	1,534,607.51	7,139,607.51
06/30/2026	5,700,000	** %	1,322,488.76	7,022,488.76
06/30/2027	5,485,000	** %	1,086,388.76	6,571,388.76
06/30/2028	4,650,000	** %	851,513.76	5,501,513.76
06/30/2029	4,910,000	** %	656,588.76	5,566,588.76
06/30/2030	4,560,000	** %	491,626.26	5,051,626.26
06/30/2031	4,565,000	** %	333,751.26	4,898,751.26
06/30/2032	2,910,000	** %	206,885.00	3,116,885.00
06/30/2033	2,890,000	** %	106,975.00	2,996,975.00
06/30/2034	940,000	3.875%	36,425.00	976,425.00
	63,030,000		14,749,555.67	77,779,555.67

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
2012 General Obligation Bonds - Post 2019 Refunding

Bond Component

Period Ending	Principal	Interest	Debt Service	Annual Debt Service
	0	0	0	0

2019 Refunding

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
$9,085,000 General Obligation Bonds, Series 2019
Final Numbers

Bond Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
08/01/2020	655,000	4.000%	245,844.31	900,844.31	
02/01/2021			196,625.00	196,625.00	
06/30/2021					1,097,469.31
08/01/2021	700,000	5.000%	196,625.00	896,625.00	
02/01/2022			179,125.00	179,125.00	
06/30/2022					1,075,750.00
08/01/2022	715,000	5.000%	179,125.00	894,125.00	
02/01/2023			161,250.00	161,250.00	
06/30/2023					1,055,375.00
08/01/2023	675,000	5.000%	161,250.00	836,250.00	
02/01/2024			144,375.00	144,375.00	
06/30/2024					980,625.00
08/01/2024	855,000	5.000%	144,375.00	999,375.00	
02/01/2025			123,000.00	123,000.00	
06/30/2025					1,122,375.00
08/01/2025	870,000	5.000%	123,000.00	993,000.00	
02/01/2026			101,250.00	101,250.00	
06/30/2026					1,094,250.00
08/01/2026	885,000	5.000%	101,250.00	986,250.00	
02/01/2027			79,125.00	79,125.00	
06/30/2027					1,065,375.00
08/01/2027	905,000	5.000%	79,125.00	984,125.00	
02/01/2028			56,500.00	56,500.00	
06/30/2028					1,040,625.00
08/01/2028	915,000	4.000%	56,500.00	971,500.00	
02/01/2029			38,200.00	38,200.00	
06/30/2029					1,009,700.00
08/01/2029	950,000	4.000%	38,200.00	988,200.00	
02/01/2030			19,200.00	19,200.00	
06/30/2030					1,007,400.00
08/01/2030	960,000	4.000%	19,200.00	979,200.00	
06/30/2031					979,200.00
	9,085,000		2,443,144.31	11,528,144.31	11,528,144.31

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
GO Bonds, Issue of 2011 - Post 2017 Refunding

Bond Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
08/01/2020	735,000	2.500%	9,187.50	744,187.50	
06/30/2021					744,187.50
	735,000		9,187.50	744,187.50	744,187.50

2017 Refunding

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
$14,585,000 General Obligation Refunding Bonds, Issue of 2017

Bond Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
08/01/2020	325,000	3.000%	317,575	642,575	
02/01/2021			312,700	312,700	
06/30/2021					955,275
08/01/2021	1,050,000	3.000%	312,700	1,362,700	
02/01/2022			296,950	296,950	
06/30/2022					1,659,650
08/01/2022	1,055,000	5.000%	296,950	1,351,950	
02/01/2023			270,575	270,575	
06/30/2023					1,622,525
08/01/2023	1,070,000	5.000%	270,575	1,340,575	
02/01/2024			243,825	243,825	
06/30/2024					1,584,400
08/01/2024	1,085,000	5.000%	243,825	1,328,825	
02/01/2025			216,700	216,700	
06/30/2025					1,545,525
08/01/2025	1,070,000	5.000%	216,700	1,286,700	
02/01/2026			189,950	189,950	
06/30/2026					1,476,650
08/01/2026	2,830,000	5.000%	189,950	3,019,950	
02/01/2027			119,200	119,200	
06/30/2027					3,139,150
08/01/2027	2,820,000	5.000%	119,200	2,939,200	
02/01/2028			48,700	48,700	
06/30/2028					2,987,900
08/01/2028	1,070,000	4.000%	48,700	1,118,700	
02/01/2029			27,300	27,300	
06/30/2029					1,146,000
08/01/2029	685,000	4.000%	27,300	712,300	
02/01/2030			13,600	13,600	
06/30/2030					725,900
08/01/2030	680,000	4.000%	13,600	693,600	
06/30/2031					693,600
	13,740,000		3,796,575	17,536,575	17,536,575

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
$9,440,000 General Obligation Refunding Bonds, Issue of 2014

Bond Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
08/15/2020	840,000	5.000%	130,637.50	970,637.50	
02/15/2021			109,637.50	109,637.50	
06/30/2021					1,080,275.00
08/15/2021	835,000	3.000%	109,637.50	944,637.50	
02/15/2022			97,112.50	97,112.50	
06/30/2022					1,041,750.00
08/15/2022	830,000	3.250%	97,112.50	927,112.50	
02/15/2023			83,625.00	83,625.00	
06/30/2023					1,010,737.50
08/15/2023	825,000	5.000%	83,625.00	908,625.00	
02/15/2024			63,000.00	63,000.00	
06/30/2024					971,625.00
08/15/2024	835,000	5.000%	63,000.00	898,000.00	
02/15/2025			42,125.00	42,125.00	
06/30/2025					940,125.00
08/15/2025	840,000	5.000%	42,125.00	882,125.00	
02/15/2026			21,125.00	21,125.00	
06/30/2026					903,250.00
08/15/2026	845,000	5.000%	21,125.00	866,125.00	
06/30/2027					866,125.00
	5,850,000		963,887.50	6,813,887.50	6,813,887.50

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
$15,930,000 General Obligation Bonds, Issue of 2014

Bond Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
09/15/2020			214,734.38	214,734.38	
03/15/2021	750,000	4.000%	214,734.38	964,734.38	
06/30/2021					1,179,468.76
09/15/2021			199,734.38	199,734.38	
03/15/2022	815,000	4.000%	199,734.38	1,014,734.38	
06/30/2022					1,214,468.76
09/15/2022			183,434.38	183,434.38	
03/15/2023	845,000	3.000%	183,434.38	1,028,434.38	
06/30/2023					1,211,868.76
09/15/2023			170,759.38	170,759.38	
03/15/2024	875,000	3.000%	170,759.38	1,045,759.38	
06/30/2024					1,216,518.76
09/15/2024			157,634.38	157,634.38	
03/15/2025	875,000	3.000%	157,634.38	1,032,634.38	
06/30/2025					1,190,268.76
09/15/2025			144,509.38	144,509.38	
03/15/2026	920,000	3.000%	144,509.38	1,064,509.38	
06/30/2026					1,209,018.76
09/15/2026			130,709.38	130,709.38	
03/15/2027	925,000	3.000%	130,709.38	1,055,709.38	
06/30/2027					1,186,418.76
09/15/2027			116,834.38	116,834.38	
03/15/2028	925,000	3.200%	116,834.38	1,041,834.38	
06/30/2028					1,158,668.76
09/15/2028			102,034.38	102,034.38	
03/15/2029	925,000	3.250%	102,034.38	1,027,034.38	
06/30/2029					1,129,068.76
09/15/2029			87,003.13	87,003.13	
03/15/2030	925,000	3.500%	87,003.13	1,012,003.13	
06/30/2030					1,099,006.26
09/15/2030			70,815.63	70,815.63	
03/15/2031	925,000	3.625%	70,815.63	995,815.63	
06/30/2031					1,066,631.26
09/15/2031			54,050.00	54,050.00	
03/15/2032	940,000	3.750%	54,050.00	994,050.00	
06/30/2032					1,048,100.00
09/15/2032			36,425.00	36,425.00	
03/15/2033	940,000	3.875%	36,425.00	976,425.00	

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
$15,930,000 General Obligation Bonds, Issue of 2014

Bond Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
06/30/2033					1,012,850.00
09/15/2033			18,212.50	18,212.50	
03/15/2034	940,000	3.875%	18,212.50	958,212.50	
06/30/2034					976,425.00
	12,525,000		3,373,781.36	15,898,781.36	15,898,781.36

DETAILED BOND DEBT SERVICE

Town of Waterford, Connecticut
$33,750,000 Genarl Obligation Bonds, Issue of 2013 - Post 2017 Refunding

Serial Component

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
08/15/2020	1,755,000	4.000%	313,897.50	2,068,897.50	
02/15/2021			278,797.50	278,797.50	
06/30/2021					2,347,695.00
08/15/2021	1,755,000	4.000%	278,797.50	2,033,797.50	
02/15/2022			243,697.50	243,697.50	
06/30/2022					2,277,495.00
08/15/2022	1,755,000	2.000%	243,697.50	1,998,697.50	
02/15/2023			226,147.50	226,147.50	
06/30/2023					2,224,845.00
08/15/2023	1,955,000	2.250%	226,147.50	2,181,147.50	
02/15/2024			204,153.75	204,153.75	
06/30/2024					2,385,301.25
08/15/2024	1,955,000	2.250%	204,153.75	2,159,153.75	
02/15/2025			182,160.00	182,160.00	
06/30/2025					2,341,313.75
08/15/2025	2,000,000	2.500%	182,160.00	2,182,160.00	
02/15/2026			157,160.00	157,160.00	
06/30/2026					2,339,320.00
08/15/2026			157,160.00	157,160.00	
02/15/2027			157,160.00	157,160.00	
06/30/2027					314,320.00
08/15/2027			157,160.00	157,160.00	
02/15/2028			157,160.00	157,160.00	
06/30/2028					314,320.00
08/15/2028	2,000,000	3.250%	157,160.00	2,157,160.00	
02/15/2029			124,660.00	124,660.00	
06/30/2029					2,281,820.00
08/15/2029	2,000,000	3.000%	124,660.00	2,124,660.00	
02/15/2030			94,660.00	94,660.00	
06/30/2030					2,219,320.00
08/15/2030	2,000,000	3.000%	94,660.00	2,094,660.00	
02/15/2031			64,660.00	64,660.00	
06/30/2031					2,159,320.00
08/15/2031	1,970,000	3.100%	64,660.00	2,034,660.00	
02/15/2032			34,125.00	34,125.00	
06/30/2032					2,068,785.00
08/15/2032	1,950,000	3.500%	34,125.00	1,984,125.00	
06/30/2033					1,984,125.00
	21,095,000		4,162,980.00	25,257,980.00	25,257,980.00